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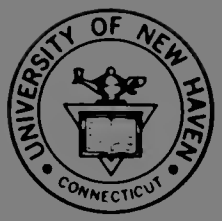
1975-76 Continuing Education Bulletin

Evening College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University of New Haven Continuing Education Bulletin 1975-1976

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CALENDAR

Summer Session 1975

Registration period	Tuesday-Tuesday	May 27-June 10
Tuition due on or before	Tuesday	June 10
Classes begin	Thursday	June 12
Holiday (Independence Day)	Friday	July 4
First term final examinations	Thursday	July 17
Second term classes begin	Monday	July 21
Second term final examinations	Monday	August 25

Fall Semester 1975

Registration for current and former students	Monday-Friday	August 11-22
Registration for new students	Tuesday-Wednesday	August 26-27
Tuition due on or before	Friday	August 29
Holiday (Labor Day)	Monday	September 1
Classes begin	Wednesday	September 3
Last day to ADD courses	Friday	September 19
MID SEMESTER		
Last day to DROP courses	Friday	October 24
Holiday (Thanksgiving)	Wednesday-Friday	November 26-28
Classes end	Friday	December 12
Final examinations	Monday-Friday	December 15-19

Spring Semester 1976

Registration for current and former students	Friday-Friday	January 2-9
Registration for new students	Monday-Tuesday	January 12-13
Tuition due on or before	Wednesday	January 14
Classes begin	Friday	January 16
Last day to ADD courses	Friday	January 23
Holiday (Washington's Birthday)	Monday	February 16
MID SEMESTER		
Last day to DROP courses	Friday	March 5
Spring vacation	Saturday-Sunday	March 13-21
Classes resume	Monday	March 22
Holiday (Good Friday)	Friday	April 16
Classes end	Friday	May 7
Final examinations	Monday-Friday	May 10-13
Commencement	Sunday	June 6

Summer Session 1976

Registration period	Tuesday-Friday	May 25-June 11
Tuition due on or before	Friday	June 11
Classes begin	Monday	June 14
Holiday (Independence Day)	Monday	July 4
First term final examinations	Tuesday	July 20
Second term classes begin	Thursday	July 22
Second term final examinations	Thursday	August 26

THE UNIVERSITY OF NEW HAVEN

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The University of New Haven (then New Haven College) was founded by the Y.M.C.A. in 1920 as a branch of Northeastern University. During the first years, it functioned as a community college, providing an education to the student who could not afford the time or tuition for regular four-year colleges and universities.

In 1926 the college was incorporated by the Connecticut General Assembly and authorized to grant an associate in science degree, and in 1958 it was authorized to offer bachelor degree programs to both day and evening students.

Classroom space at Yale University was used until the acquisition in 1960 of the present West Haven campus. The original campus had a main classroom building, a library and a small administration building. To these have been added the student center, the School of Engineering building, the Graduate School building (which houses the School of Business Administration), a residence hall, a bookstore, the Gymnasium-Auditorium building on the 28-acre North Campus (where there are athletic fields and tennis courts), and the Marvin K. Peterson Library.

A new and major strengthening of the college came in 1969 with the establishment of the Graduate School. Initially, programs were offered only in business administration and industrial engineering; today a broad scope of graduate programs is available. By 1974, more than one thousand students were pursuing graduate work at the University.

In October, 1970, the New Haven College Board of Governors voted to change the name of the institution to the University of New Haven, and this action was approved by the State of Connecticut.

DIVISIONS OF THE UNIVERSITY

The University has three administrative divisions: the undergraduate schools of Arts and Sciences, Engineering and Business Administration; the Division of Continuing Education; and the Graduate School.

Included in the Division of Continuing Education are the evening college, the extension programs, summer school sessions and intersession programs, and the Division of Special Studies.

ACCREDITATIONS AND MEMBERSHIPS

A co-educational, non-sectarian, independent university, the University of New Haven is fully accredited by the Connecticut Department of Education. It holds membership in the New England Association of Schools and Colleges, one of six regional accrediting associations in the United States. Membership in this association indicates that the university has been carefully evaluated and found to meet the standards established by qualified educators.

The university is a member of the Association of American Colleges, the Connecticut Conference of Independent Colleges and the College Entrance Examining Board, and of regional and national professional organizations.

OBJECTIVES

Students in the Division of Continuing Education generally have a deep interest in the furtherance of their personal and professional goals. Every attempt is made to assist these students in planning an individualized program of study designed to make the most profitable use of the available curricula. Guided by the student's ambitions and needs, the Continuing Education staff counsels students in an effort to match their strengths and weaknesses with the most appropriate courses and programs.

The University believes that work is good educational experience, but it is improved when related to academic instruction. This means that a student's work and scholastic program should be integrated as far as possible. By such integration the traditional barrier between the academic and the practical may be broken down.

In accordance with this viewpoint, the University encourages and assists its students to seek employment related to their degree programs or to pursue courses of study related to their work. The relationship between work and study necessarily varies, of course, but becomes increasingly important after the first year of study. The placement activity of the University is designed to implement the idea of an integrated program of work and study.

EVENING CREDIT PROGRAMS

The Evening Division offers programs leading to the degrees of Bachelor of Science, Bachelor of Arts, Bachelor of Computer Technology and Associate in Science.

Degrees and major fields of study offered are detailed on pages 17, 31 and 51 (preceding the sections on each school).

Most courses, except laboratory and certain four-hour courses offered in the evening credit program, are scheduled to meet from 7 to 9:45 p.m. one night a week. The university operates Monday through Saturday.

A student may carry as few as three semester hours or as many as eleven. The same academic standards are required regardless of the number of credits carried.

GRADUATE SCHOOL

The Graduate School currently offers masters degrees in: business administration (including options in accounting and hotel management), engineering, industrial engineering, environmental engineering, operations research, computer and information science, criminal justice, community psychology, organizational-industrial psychology, public administration, and an interdisciplinary MBA-MSIE program.

Prospective students seeking detailed information on any of the graduate programs and/or an application form should write or call: Dean of the Graduate School, University of New Haven, 300 Orange Ave., West Haven, CT 06516, (203) 934-6321, ext. 280 or 316.

Graduate courses normally meet between 4:30 and 8:30 p.m., Monday through Friday.

EXTENSION PROGRAMS

One of the major functions of an urban university is to identify the educational needs of the community it serves and develop programs to meet those needs. The University of New Haven has always responded to and will continue to respond to specific needs of the community and individual students. Both graduate and undergraduate courses are offered in extension programs in various locations across Connecticut.

DIVISION OF SPECIAL STUDIES

This Division offers a series of professional certificate courses in engineering, business, and general areas. They are usually designed to provide supplemental knowledge and skills needed in specialized jobs in business and industry, and do not carry academic credit. Further information may be obtained by requesting separate schedules and course folders from the Director of the Division of Special Studies. Courses are approved for Veterans' Benefits. A certificate is granted upon successful course completion.

SUMMER SCHOOL

Summer sessions are offered at the University of New Haven in both day and evening courses.

Students from other institutions may attend to make up deficiencies, satisfy prerequisites for courses, or acquire advanced standing in their parent schools. Credits earned at the University of New Haven are generally acceptable to parent schools but, for the protection of the student, the written approval of the parent school is required (letter of authorization).

University of New Haven students may wish to attend summer school to lighten the study load during the regular year, to shorten the normal time required for a degree, to take preparatory work or make up deficiencies, or to take additional work beyond degree requirements yet complete a program in the normal time.

A list of courses to be offered each summer is available from the Division of Continuing Education in the spring.

INTERSESSION

Courses are offered during intersession, the semester break between fall and spring semesters. The intersession program includes both regular and special courses and seeks to blend innovative and traditional methods of teaching, including team-teaching, field trips, lectures, laboratory work and research projects. A complete list of intersession courses is available from the Division of Continuing Education by Nov. 1.

PRE-PROFESSIONAL PROGRAMS

In addition to traditional professions such as law, medicine and the ministry, many other vocations require students to continue their training after receiving a bachelor's degree. Students who plan to train for a profession at the graduate level should write to the university they expect to attend for a statement of entrance requirements. Prescribed programs in the major areas will be modified to meet entrance requirements into professional programs or to meet special needs of individual students. Such programs must be approved in writing by the appropriate department chairman.

INTERDISCIPLINARY PROGRAMS

An interdisciplinary major, in two or more major departments, may be planned for students with particular needs and interests. In such cases, the dean will appoint a faculty member from each department to plan with the student a sequence of courses generally consisting of existing courses and independent study. A minimum of 51 credits in the area of interest must be completed to satisfy graduation requirements. The program must be approved by the department chairman and forwarded to the registrar to be filed in the student's file.

DOUBLE MAJOR

A minor or an associate degree may be taken in a department other than that of the student's major concurrent with work on the major program. A full double major may be taken by fulfilling all the core requirements for each major, including the core requirements of each division and department involved. A minimum of at least an additional 30 sem. hrs. is required beyond the number required for one major.

ADVANCED STUDY

Advanced study courses are offered in all departments for qualified undergraduates pursuing the Bachelor of Science degree or the Bachelor of Arts degree. These courses may include a thesis, tutorial work or independent study which permits students to work intensively in areas of special interest.

ADMISSION REQUIREMENTS

The University of New Haven welcomes applications from students from all geographic areas, from public or private schools, and from all races, economic levels and religions.

Each school of the university has its own admission requirements which are defined in detail in the pertinent sections of this bulletin. Generally, graduates of accredited secondary schools or persons who have a state high school diploma* are eligible for admission.

In some cases, an adult who has completed at least two years of secondary school with a satisfactory record may be considered, provided he or she performs exceptionally well on the required placement examinations. Such an admission will be tentative for one year, and during that time the student must pass the examinations for the state high school diploma. No one who has not completed at least two years of secondary school will be considered.

With the exception of auditors, students taking any course, whether for a degree or not, must meet admission requirements.

Applicants from secondary schools are required to take admission tests, including scholastic aptitude, mechanics of English, and reading comprehension. College Entrance Examination Board results, if satisfactory, are accepted in place of the University of New Haven admission requirements.

APPLICATION PROCEDURES

Persons seeking admission should call or write the Division of Continuing Education to arrange a personal interview. During the interview, the applicant will complete a personal data form and plan his or her program. Interviews may be scheduled during office hours at the convenience of the applicant.

When the applicant decides to seek admission, an application fee must be paid. The university then requests the secondary school record of the applicant. Those applicants who have attended other colleges or universities must present transcripts from those institutions, whether applying for admission or applying for advanced standing. The student must arrange this individually, and by using a form which is available for this purpose.

* Information regarding the examination for the state high school diploma may be obtained from the Director of Admissions or by writing to the Bureau of Youth Services, State Department of Education, State Office Building, Hartford, Connecticut 06103.

REGISTRATION

All new students must register in person at the Office of Continuing Education. Currently enrolled students may register by mail and forms will be mailed to each student prior to registration dates. A separate registration is required for each of the semesters and for summer sessions.

There are two parts to registration: the completion of the registration forms and the payment of tuition. There is a penalty fee for delaying either of these two processes beyond the end of the registration period.

Auditors follow the same procedure and pay the same fees as credit students.

Students are urged to plan their programs carefully before completing registration forms to avoid the need for changes. Once the registration period has ended, a "change of registration" fee is charged for each change made, payable when the form requesting the change is completed.

TRANSFERRING TO THE UNIVERSITY

Transfer students may apply to the University of New Haven after successfully completing one or more semesters at an accredited college.

A student with a two-year degree and at least a 2.00 quality point ratio (QPR) will receive transfer credit for as many hours as the degree required. No more than two years of credit from a two-year college will be accepted, except by authorization of the dean of the school in which the student is enrolled.

If a student does not have an associate degree, transfer credit is given for grades of "C" or higher. The dean of the school or the chairman of the department makes the final decision concerning the total number of acceptable transfer credits. In accordance with the requirements of a particular department, a student may be required to take an English or mathematics examination.

The maximum number of equivalent semester hours of transfer credit from any four-year source is 90 hours, except by written authorization of the dean of the school in which the student is enrolled.

The residency requirement for all University of New Haven degrees is 30 credit hours. For the associate degree, 12 semester hours must be in the field of specialization; for the bachelor's degree, 18 semester hours must be in the field of specialization.

Transfer credit from other colleges will be officially granted on the completion of 12 semester hours at the University of New Haven with a satisfactory academic record.

TRANSFERRING FROM THE UNIVERSITY

Credits may be transferred from the University of New Haven to any other college or university by obtaining a letter of authorization from the other institution.

Since the University of New Haven is an accredited institution, its credit will be given consideration by the major institutions of the country in terms of the achievement and promise of the student seeking transfer. Other institutions will also evaluate specific courses for length and content in relation to their specific requirements.

CREDITING EXAMINATIONS

A student who has independent knowledge of the content of an undergraduate course offered by the university may, with the approval of the respective department chairman and dean, take a special crediting examination in lieu of taking the course.

No student may take crediting examinations during the first or last semester in which he is enrolled. To graduate, a student must earn at least 30 semester hours through regular course work.

CLASSIFICATION OF STUDENTS

There are three classifications of students in the evening credit program:

Degree student—The degree student indicates on his registration that he plans to complete the requirements for the A.S., B.A. or B.S. degree. The degree student must satisfy all the admission requirements and be a fully matriculatd student.

Non-degree student—The non-degree student does not intend to meet all the requirements for a degree but selects certain subjects which are offered as part of the degree requirements. The non-degree student must satisfy all admission requirements so that if he or she later wishes to become a degree student this can be done by indicating it on his or her registration. The non-degree student also must be fully matriculated.

Auditor—An auditor is a person who wishes merely to attend class and listen to the discussion. Since auditors are not obligated to meet any of the admission requirements, they are not allowed to participate in discussion or take tests or examinations graded by the instructor. They are not subject to attendance regulations and are not granted credit.

SCHOLASTIC REGULATIONS

Grading system—The following grading system is in use and except where otherwise noted applies to both examinations and term work. The weight of a final examination grade is a matter individually determined by each instructor.

A Superior
B Good
C Fair
D Lowest passing grade
F Failure or withdrawal after midpoint with unsatisfactory work
Inc. Incomplete.

1. The grade of Incomplete indicates that some work remains to be completed to gain academic credit for a course.
2. Work to remove an Incomplete must be performed within twelve months following the last day of the semester in which an Incomplete is received.
3. When such work is completed, the instructor will assign a final grade for the course.
4. If the student fails to complete unfulfilled academic assignments within twelve months, the grade of W will be entered on the student's record. This grade will be final; no further opportunity to complete the course will be available to a student after this time.

W Withdrawal indicates either withdrawal prior to the midpoint of semester, or withdrawal after the midpoint of semester with satisfactory work at that time.

S Satisfactory (given only in non-credit courses)

U Unsatisfactory (given only in non-credit courses)

Fulltime students must complete a minimum of 12 credits per semester to retain their fulltime status. Completion is defined as receipt of a letter grade (A to F) as opposed to W or Incomplete.

A student may not register for more than 18 semester hours in any semester without written permission of the dean of his school (19 semester hours in certain engineering programs). In most instances a student must have a cumulative quality point ratio of 3.20 in order to register for more than 18 hours in one semester.

Grade reports—Reports of final grades will be mailed to the student soon after the close of each semester. A copy of the report will be enclosed for those who wish to forward it to their employers.

Academic standards—The academic standing of each student will be determined on the basis of the student's quality point rating (QPR) each semester.

To determine quality point ratios, each letter grade is assigned a quality point value:

A	4 quality points	D	1 quality point
B	3 quality points	F	0 quality points
C	2 quality points		

The quality point ratio is obtained by multiplying the quality point value of each grade by the number of semester hours of the course, then dividing the total quality points by the total semester hours.

Students are required to maintain a quality point ratio in accordance with the following scale:

Quality point ratio of
1.50 for 3-30 semester hours attempted
1.60 for 31-45 semester hours attempted
1.70 for 46-60 semester hours attempted
1.80 for 61-75 semester hours attempted
1.90 for 76-90 semester hours attempted
2.00 for 91 or more semester hours attempted

To determine a transfer student's class (freshman, sophomore, etc.) standing, his total semester hours (those received at another college plus those earned at the University of New Haven) are applied to the graduated scale. However, only the cumulative average earned at the University of New Haven is considered in determining the student's academic standing.

Attendance regulations—Evening students are allowed only two absences per semester for a 3 or 4 semester hour course. If the student is absent more than twice, permission to continue in the course must be obtained from the instructor.

Probation and dismissal—Failure to earn the required cumulative quality point ratio will place a student on academic probation for the following year of enrollment. A student is automatically dismissed when he receives a third probation or when his quality point ratio for any one year is less than 1.00. Academic probation for transfer students is determined in accordance with the same graduated scale as for non-transfer students.

Readmission—Application for readmission after a student has been dismissed will normally be considered only after the lapse of a semester and only when the student provides evidence which indicates his probable success if readmitted.

Unusual circumstances may permit earlier application if the student's dean and department chairman successfully petition the Academic Standing and Admissions Committee to review the applicant's case.

Requests for readmission should be submitted in writing to the chairman of the Academic Standing and Admissions Committee at least three weeks before the opening of the semester and should include evidence supporting the student's belief that he will succeed if readmitted.

Readmission is not automatic. The Academic Standing and Admissions Committee reviews each application and recommends rejection, acceptance or conditional acceptance to the director of admissions.

DEGREES

The baccalaureate or associate degree will be conferred at commencement when the student has met all the requirements of his program and has met the following university requirements:

1. Has earned a cumulative quality point ratio of at least 2.00.
2. Has been recommended by the faculty.
3. Has met all financial obligations.
4. Has completed the last 30 semester hours at the University of New Haven.

Honors—Honors may be conferred on candidates for graduation who have completed at least 60 semester hours of work at the University of New Haven in their junior and senior years. The following standards shall be used:

1. The bachelor degree **Cum Laude** may be awarded to a student whose cumulative quality point ratio is at least 3.25 at the end of the first semester of his or her senior year and who continues to attain the same standard for the rest of the year.
2. The bachelor degree **Magna Cum Laude** may be awarded to a student whose cumulative quality point ratio is at least 3.50 at the end of the first semester of the senior year and who continues to attain the same standard for the rest of the year; whose quality point ratio in all courses counting toward his major is at least 3.50; and who has completed all the suggested courses within his curriculum.
3. The bachelor degree **Summa Cum Laude** may be awarded to a student whos cumulative quality point ratio is at least 3.70 at the end of the first semester of his senior year and who continues to attain the same standard for the rest of the year; whose quality point ratio is all courses counting toward his major is at least 3.70; and who has completed all the suggested courses within his curriculum.

A degree **With Honors** is awarded to associate degree students who have a quality point ratio of 3.25 for the semester hours specifically required for the degree program from which they are being graduated and who have taken 30 or more hours of required work at the University of New Haven.

A degree **With High Honors** is awarded to associate degree students who have a quality-point ratio of 3.50 based on the same considerations as above.

In determining eligibility for degrees with honor, credits earned by crediting examinations and electives in excess of those required will not be considered.

Dean's List—All part-time students who have accumulated a minimum of 14 semester hours at the university will automatically be considered for the Dean's List at the end of each semester. A cumulative quality point ratio of at least 3.20 is required.

11 TUITION AND FEES

Evening Division Regular Academic Year

Application fee—payable only once at the initial time of application. Not refundable $10.00

Tuition—per credit hour or equivalent $50.00 each semester
This includes the Student Activity Fee which covers subscription to the University newspaper, use of the Student Center, and helps to defray cost of all student activities and facilities.

Change of registration—assessed for changing courses or sections after the completion of registration 5.00

Summer Terms

For information regarding both Day and Evening summer sessions, request the Summer School Bulletin.

Other Charges

Laboratory and Breakage fees—payable each semester by students registering for courses requiring the laboratory fee. See Course Description for specific amounts. Not refundable

Make-up Examination—assessed when a student is permitted to take an end-of-semester examination at other than the scheduled time except for conflicts caused by the examination schedule 5.00

Make-up Test—assessed when a student is permitted to make up an announced test during the semester 3.00

Auditors—the fee for a student auditor in any course or courses is the same as if the courses were taken for credit.

Graduation fee 35.00
Assessed regardless of participation in exercises; no reduction will be made for non-attendance. For graduation in June, fee is due no later than March 1 of year of graduation; for January commencement, fee is due before October 15 of prior calendar year. Late fee is $25.00

Transcript of academic work—no charge for the first one; thereafter, per copy 1.00

Payment of bills—Tuition, fees and other university charges are payable at the time of registration. Payment made by check or money order should be made payable to the University of New Haven. The university also accepts payments by Master Charge and BankAmericard.

As a convenience to those who desire to spread their payments out over a period of time, a deferred education payment plan is available to part-time students carrying six or more credits or the equivalent. Details of this plan are available in the Business Office.

Because of the short duration of the summer terms, the total amount due for tuition and fees is due and payable at the time of registration for each term.

The university withholds grades, transcripts and honorable dismissal from any student whose account is in arrears.

FINANCIAL AID

Various types of financial aid are available at the university. A limited number of partial tuition grants-in-aid is available during fall and spring semesters. The Basic Educational Opportunity Grant Program is designed to assist needy students entering post-secondary education. Applications and information usually are available through high school guidance offices and the student makes direct application to the Program offices. Grants are also available to full time employees of a publicly funded law enforcement agency under the Law Enforcement Student Grant Program. Payments of up to $300 a semester are provided to part time students working toward a degree in this field. Criteria are need and scholastic standing. Various organizations make available each year a limited number of academic scholarships. For further information, contact the director of the Division of Continuing Education or the director of financial aid.

WITHDRAWAL AND REFUND OF TUITION

From the University—Students are required to discuss their intentions with the Director of Continuing Education before withdrawing from the University.

From a program—Students considering a change in program should first discuss the matter with the department chairman of the proposed new program. If it is agreed that the change is advisable, written permission will be granted. Forms for making a change are provided at the evening reception desk.

Courses changes—Forms are available at the Division of Continuing Education office.

Registration does not carry with it the right of an automatic refund of tuition in cases of withdrawal. No deduction is made for temporary absence from classes, nor is any refund made if a student is suspended or dismissed. Requests for withdrawal should be made in person through the Evening Office. If this is not possible, a letter requesting withdrawal must be sent to the Director of Continuing Education. Telephone requests cannot be honored.

Tuition is refunded or cancelled by one of two methods upon receipt of formal withdrawal request before the end of the fourth week of a semester:

1. Percentage basis for any reason during the first four weeks of a semester:

   1st week — 80%
   2nd week — 60%
   3rd week — 40%
   4th week — 20%
   after 5th week — 0%

2. Pro-rata basis of tuition before end of fourth week in situations involving:

   a) death or protracted illness of a student
   b) involuntary induction into military service
   c) transfer or charge in work initiated by employer which precludes meeting class schedules.

Summer session and intersession—A refund of 50% of tuition will be made only in the case of withdrawal from a course or courses within the first week of the summer term. There is no refund of summer tuition after the first week. In intersession, a refund of 50% of tuition will be made on the first day of class only.

This policy is necessary to protect the University, since the university plans its expenses and bases its budget on full collection of tuition and fees from all registered students, and assumes the obligation of supplying instruction and other services throughout the year.

Changes in arrangements—Because of the difficulty of determining long-range economic trends, the University reserves the right to make those changes in tuition, fees and other costs which, in the judgment of the Board of Governors, are necessary and just. No changes in charges will be made retroactive.

CAREER DEVELOPMENT

Career Development Office This office has two primary functions within the University: career counseling and placement. The staff works closely with the Counseling Center to help determine an appropriate career path for individual students. To assist students in a career choice, individual counseling, a career library and career seminars are available. In addition, a program of on-campus recruiting visits by employers is arranged each year for the benefit of University of New Haven students, both undergraduate and graduate.

While the Career Development Office is not an employment service, listings of full-time and part-time openings are maintained to provide a common meeting ground for employers and prospective employees.

Students seeking employment should visit the office personally as early as possible to discuss their plans. Alumni seeking positions are invited to use the services of the office.

Employers wishing to list positions with the Career Development Office need only call the office or write, giving a description of the position available and other details. There is never any fee charged for listing a position.

Evening students should call the Career Development Office for appointments.

COUNSELING

Counseling and Guidance The University maintains counseling and guidance officers on its staff. Staff and faculty also reserve many hours for counseling with students. Appointments for this purpose should be made at the Evening Reception Office.

EVENING STUDENT COUNCIL

Membership in the Evening Student Council is open to all evening credit students who have successfully completed one full semester. Nominations and elections by secret ballot are conducted in the spring of each year. Council meetings are held monthly; all evening credit students are welcome to attend.

The Council has three primary objectives:

To unite the evening students to promote the welfare of the evening student body of the University.

To give counsel and encouragement to all evening students of the University and to develop a school spirit among them.

To convey evening student opinion to the administration and to work with the officers of the University to accomplish student objectives.

Fraternities In 1967, the Criminal Justice students formed a joint day and evening fraternity. Membership is open to all students pursuing a degree in Criminal Justice. Students who are interested in joining the Criminal Justice fraternity should contact the Director of Continuing Education.

Honor Society In 1969, the Evening Division was accepted as a member of the National Honor Society Alpha Sigma Lambda. There are presently 87 members in the Alpha Sigma chapter of the University. Membership in the Honor Society is by invitation during the spring semester of each academic year. Any student interested in the Honor Society should contact the Director of Continuing Education.

Student Publications Evening students may volunteer their services to work on any of the student publications: **The News,** the University's student newspaper; **The Chariot,** the University yearbook; **The Noiseless Spider,** a literary publication; and **The UNH Student Handbook.**

FM Radio Station WNHU, 88.7 MHZ, is the University's student-operated FM radio station. Located in the Student Center, the 1,700 watt station serves the Student Body and the greater New Haven community. All work and management is done by students and any student may volunteer his help.

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LIBRARY

The new Marvin K. Peterson Library, named for President Emeritus Peterson, was dedicated Oct. 20, 1974. Built at a cost of $1,664,280, the new library has a capacity of 300,000 bound volumes. It adjoins the main administration building and includes a rare book room, a special collection room, a music room, archives and spacious reading and reference areas. Study is made convenient by modern research facilities and equipment, including eight microreading stations and three microform reader-printers.

The Library contains more than 85,000 volumes, 35,000 U.S. documents, over 2500 LP's, extensive corporation annual reports, pamphlet files, and microfilm. The Library subscribes to 975 periodicals and extensive back-issue files are maintained.

The resources of the New Haven and West Haven Public Libraries are available to students (non-residents must pay a fee). Under a reciprocal policy, students may charge material from Albertus Magnus and Quinnipiac libraries by presenting their validated ID's.

The Student Center The Student Center provides a focal point for all student activities. Offering lounges, student offices, a game room, a large cafeteria and a snack bar, the facility has been designed to serve as a center for the student's non-academic college interests.

The Rathskellar, also located in the Student Center, opens daily, serving draft beer and snacks.

Bookstore The University bookstore offers new and used text materials, art and engineering supplies, and a large variety of University-emblemed gift items.

Social Activities Evening students sponsor annual social events, including serving refreshments for new freshmen and transfer students in September, the President's Fall Welcoming Dance, the Children's Christmas Party, a spring dance and a graduation dance.

Veterans Affairs Since the University has one of the largest veteran enrollments in Connecticut, an Office of Veterans Affairs, with a full-time Coordinator and secretary, is maintained. The Veterans Administration has assigned to the University a full-time V.A. representative who maintains liaison directly with state and national V.A. offices. In addition to processing applications for various V.A. benefits, the campus Veterans office provides a wide range of supportive services for veterans attending the University. Assistance is available in academic areas and special help such as tutorial assistance is available.

ALUMNI ASSOCIATION

Membership in the Alumni Association is acquired immediately upon graduation. All degree graduates of the University as well as diploma graduates of the School of Executive Development and the Management Center become members automatically. Including the class of 1974, there are nearly 7,000 members of the Alumni Association. A member of the administrative staff of the University serves as Director of Alumni Relations. An Executive Committee conducts the affairs of the Association during the period between meetings and also serves as a planning group. There is an alumni fund chairman for annual giving.

In addition to the bi-annual meeting, other meetings of social and educational interest occur during the year, and a quarterly publication, the **Alumni News,** is mailed without charge to each alumnus. Alumni Homecoming is an annual event occurring in October of each year.

The Alumni Association is represented on the Board of Governors by a member who is elected to the Board for a term of two years. The president of the Association serves on the Board of Governors as an ex-officio member.

Membership on the Alumni Advisory Council is by invitation. Twenty or more outstanding graduates of the University constitute the group. The Council is an advisory board to the University in the conduct of alumni affairs. Its primary objectives are to strengthen alumni relations, advise on matters of top-level policy involving the alumni, improve alumni communications, and assist in planning and conducting alumni events. The Council meets quarterly at the University with the President of the University and the Director of Alumni Relations.

SCHOOL OF ARTS AND SCIENCES

DOUGLAS ROBILLARD, DEAN

Bachelor of Arts Degree

MAJORS IN:

AMERICAN STUDIES
ART
BIOLOGY
CHEMISTRY
ECONOMICS
ENGLISH
ENVIRONMENTAL STUDIES
HISTORY
MATHEMATICS
PHILOSOPHY
PHYSICS
POLITICAL SCIENCE
PSYCHOLOGY
SOCIAL WELFARE
SOCIOLOGY
WORLD MUSIC

Bachelor of Science Degree

MAJORS IN:

BIOLOGY
CHEMISTRY
FIRE SCIENCE
OCCUPATIONAL SAFETY
AND HEALTH
PHYSICS

Associate in Science Degree

MAJORS IN:

BIOLOGY
CHEMISTRY
COMMERCIAL AND
ADVERTISING ART
GENERAL STUDIES
JOURNALISM
OCCUPATIONAL SAFETY
AND HEALTH

ARTS AND SCIENCES

With varied programs of studies and an exciting cultural location, the University offers unique advantages to the student, for there are numerous opportunities for educational experiences outside the classroom.

Several libraries in the vicinity offer specialized collections; a natural history museum, art exhibitions, creative arts and dance workshops, historical societies, and women's groups play a role. Speakers and performers are brought to the campus by the Arts and Sciences Forum, and a constant procession of important speakers and performing artists come to the New Haven area. The Schubert Theater presents pre-Broadway showings of new plays and road-company performances of hit shows; The Long Wharf is an excellent regional group and the Yale Repertory Theater is innovative and exciting. The opportunity to see films is as good here as it would be in many larger cities.

There are opportunities to supplement classroom and book studies with work experiences at mental health clinics, hospitals, social welfare agencies, courts and corrections institutions. The area presents numerous ethnic enclaves and neighborhoods. Long Island Sound and nearby ski areas offer recreation. New York, with its wealth of concerts, art galleries, lectures, plays, films, sports events, is less than two hours away.

MINORS

Minors are offered in the following subjects:

Art
Biology
Chemistry
English
Fire Science
History
Journalism
Mathematics
Occupational Safety
Philosophy
Physics
Political Science
Psychology
Social Welfare
Sociology
World Music

APPLICATION

An applicant for admission to the Arts & Sciences Program must be a graduate of an approved secondary school or the equivalent. While no set program of high school subjects is prescribed, an applicant must meet the standard of the University in respect to the high school average and present 15 acceptable units of satisfactory work, including 9 or more units of college preparatory subjects. Satisfactory scores on College Entrance Examination Board (S.A.T.) or American College Testing Program tests (A.C.T.) are required.

MATRICULATION

Matriculation for Bachelor Degree Students who have completed at least two semesters or equivalent (30 academic credit hours) with a minimum quality point ratio of 2.00 may apply for matriculation for the Bachelor degree.

Admission will be limited to applicants who have given evidence of capacity and motivation adequate for upper division work as determined by the department chairman.

A cumulative quality point ratio of at least 2.00 is required in a Bachelor of Arts student's major field.

AREAS OF STUDY

Biology The program prepares the student for medical, dental, veterinary, or other professional training, as well as for a graduate program in biology and in allied health fields. Students in other disciplines, allied or not related, frequently choose biology as a minor area of concentration. This is particularly true for those majoring in the social and behavioral sciences.

For those not seeking specific professional specialization, employment opportunities for biologists are found in industry, federal, state, and municipal organizations, hospitals, research and technical laboratories, as well as in teaching. New employment areas are appearing where a knowledge of biology and a second discipline are required. Examples of these are Bioengineering, Psychobiology, Environmental Science, Pharmaceutical and Biological Sales, Management in Biological Business, Oceanography, Forensic Science, and many more related to biology, such as Pharmacology and Toxicology.

Prospective biology majors, and those wishing to follow a Pre-Medical, Pre-Dental, Pre-Veterinary, or Allied Health Program, should consult with a member of the Biology Department before registration or during the first week of their first term.

Biology majors are required to take SC 251-252, CH 105-106, M 115-116 or M 117-118 or M 127-128, SC 201, SC 301, PH 103-104, PH 105-106, SC 222, SC 308, SC 307 or SC 309, SC 361-362, SC 591-592, SC 595, and four elective courses. One year of an elementary language is required, plus one semester at the intermediate level which should be a course in scientific literature.

Chemistry This major is offered for those students who wish to avail themselves of the many career opportunities in the general field of chemistry and also for those who wish to go on to graduate work with a broad liberal education and a thorough grounding in a scientific discipline.

AREAS OF STUDY

Career opportunities exist in the following areas: Management, technical purchasing or sales, research, product control, production, and product development in the chemical, pharmaceutical, or related industries; analysis and research in forensic science, medicine, oceanography, and the environmental sciences; sales and product development in the laboratory equipment field; and teaching.

In addition to the regular programs, a student may elect options in the following areas: Biology, Business, Engineering, Environmental Studies, Fire Science, Forensic Science, Pre-Dental, Pre-Medical, or Pre-Veterinary. Courses in each option are taken instead of the normal electives. For details of the options, the department chairman should be consulted.

A major in Chemistry must complete the following courses: Six to twelve semester hours of German, Russian, French, or the equivalent, PH 150, 205; CH 105, 106, 211, 301, 302, 341, 401, 421, 431, 432, 451, 452 or CH 400 elective. In addition the student is required to take Mathematics through M 203.

Economics An economics major within a broad program of liberal studies provides a preparation for higher positions in business and industry today. It is also excellent preparation for graduate work in business administration or for graduate study in economics itself.

Economics majors will be required to take, in addition to EC 133-134 (Principles of Economics I and II), a total of 27 semester hours, including EC 336 (Money and Banking), EC 320 (Mathematical Methods in Economics), EC 340 (Microeconomic Analysis), EC 445 (Macroeconomic Analysis), and EC 450 (Thesis). Beyond these requirements, a flexible program may be devised for each major to fit the student's needs and interests. With the approval of the chairman or some other member of the department, a student may elect suitable courses in other departments to fulfill the semester hour requirement.

Economics majors are required to take A 111 (Accounting), M 127 (Finite Mathematics), and BA 216 (Statistics).

Fire Science Administration A student earning a Bachelor's degree in Fire Science Administration is able to apply modern management techniques to the development and operation of a fire department. His programs include courses such as accounting, cost control, industrial relations, contracts and specifications, techniques of management, and collective bargaining.

Fire Science is a cross disciplinary field. It adapts courses from chemistry, mathematics, accounting, business administration, industrial engineering, civil engineering, and, in its arson investigation courses, criminal justice, as well as courses in fire prevention and suppression.

Fire Science Technology A program leading to a Bachelor's degree in Fire Science Technology is an upper-level two-year program, attracting students with degrees in fire science programs from the community colleges, continuing the educational development begun there. The stress is first of all on fire prevention. Many of the courses cover various engineering fields adapted to the problems that will confront the fire technologist. The essentials of fire chemistry, dynamics, statics, the way in which materials behave under various conditions of stress including heat, process and transportation hazards, the design of industrial structures and conveyances for the maximum protection of the worker and the public, are essential areas of study. Courses in fire suppression play a role almost equal to that of fire prevention. These include an investigation of fire suppression fluids and systems, hydraulics and thermodynamics. The student who completes this program is a planner, a designer of fire prevention systems, a judge of facilities and equipment.

Typical Fire Technology and Administration Associate Degree Program to be Completed at a Technical College Students desiring admission to the Fire Science Administration or Fire Science Technology programs leading to a Bachelor of Science degree must have an associate degree in fire technology and administration as it is offered at the technical colleges or the equivalent.

Professional Courses	Sem. Hrs.
Intro. to Fire Technology	4
Municipal Fire Administration	2
Building Construction	4
Industrial Processes and Hazards	2
Hydraulic Technology	2
Water Supply and Sprinklers	2
Fire Investigation	2
Fire Fighting Strategy	2
Professional Electives	10-16
	30-36

General Courses	Sem. Hrs.
English I, II, & III	7
Mathematics	6
Science (Integrated Science or Physics and Chemistry)	6
Social or Behavioral Sciences	8
Electives	3-6
	30-33

FIRE SCIENCE ADMINISTRATION

FIFTH AND SIXTH YEARS

		Cr			Cr
FS 301	Essentials of Fire Chemistry (same as CH 331)	3	FS 303	Fire Protection Fluids and Systems (same as CH332)	3
FS 498	Research Project	1	M 116	Survey of Calculus or	
M 115	Pre-Calculus Math. or		M 128	Statistics	3
M 127	Finite Math.	3	MG 125	Management & Organization	3
A 111	Intro. Accounting I	3	PH 104	General Physics	3
EC 133	Prin. of Economics I	3	PH 106	General Physics Lab	1
	Elective	3	IE 105	Intro. to Computers or	
		16		Elective	3
					16

SEVENTH AND EIGHTH YEARS

		Cr			Cr
FS 499	Research Project	2	FS 403	Process & Transp. Hazards	3
FS 402	Arson Investigation w/Lab (same as CH411)	3	PA 408	Collective Bargaining in the Public Sector	3
FI 227	Risk and Insurance	3			
IE 223	Personnel Administration	3	CE 407	Contracts & Specifications	3
IE 233	Cost Control	3	MG 231	Industrial Relations	3
	Elective	3		Electives	6
		17			18

B.S. Degree = 129 Semester Hours

FIRE SCIENCE TECHNOLOGY

FIFTH AND SIXTH YEARS

		Cr			Cr
FS 301	Essentials of Fire Chemistry w/Lab	3	FS 303	Fire Protection Fluids & Systems	3
FS 302	Principles of FST w/lab	3	FS 304	Fire Detection & Control w/Lab	3
FS 498	Research Project	1			
MT 200	Engineering Materials	3	CE 201	Statics	3
M 117	Calculus I	3	M 118	Calculus II	4
	Elective	3		Elective	3
		16			16

SEVENTH AND EIGHTH YEARS

		Cr			Cr
FS 499	Research Project	2	FS 403	Process & Transp. Hazards w/Lab	3
FS 402	Arson Investigation w/Lab	3	FS 404	Special Hazards Control w/Lab	3
EE 336	Instrumentation Elec. w/Lab	3	CE 306	Hydraulics	3
EE 223	Principles of Electrical Engineering	3	ME 301	Thermodynamics	3
ME 204	Dynamics	3	PH 210	Physics III or Physics Elective	3
	Elective	3		Elective	3
		17			18

B. S. Degree = 129 Credits

English The study of literature is at the heart of a liberal education. English and American literature taken together comprise one of the noblest monuments to man's intellect and creativity. In addition to its generally broadening effect, the study of literature will help the student to think critically and to make his writing more effective. A major in English is looked upon very favorably by admissions officers of law, medical, and dental schools. It is also good preparation for graduate work in such fields as business, education, urban planning, social work, and public health. Employers in many areas of business, industry, and government look favorably upon the college graduate who has both a rich background in literature and training in language.

All English majors are required to take the English Literature survey courses (E211-212), and the American Literature survey courses (213-214). English majors also must take these courses: History of the English Language (302), the two courses in Shakespeare (341-342), and Literature of the American Renaissance (392). In addition one course must be taken from each of the following three groups:

1. The Age of Chaucer (375), The Renaissance in England (323), English Drama to 1642 (326), The Age of Donne and Milton (362).
2. Literature of the Neoclassic Era (371), Literature of the Romantic Era (353), Later Nineteenth-Century Literature (356).
3. English Novel I (390), English Novel II (391), Modern British Literature (361), Modern American Literature (478), Studies in Literature (any course numbered between 481 and 498).

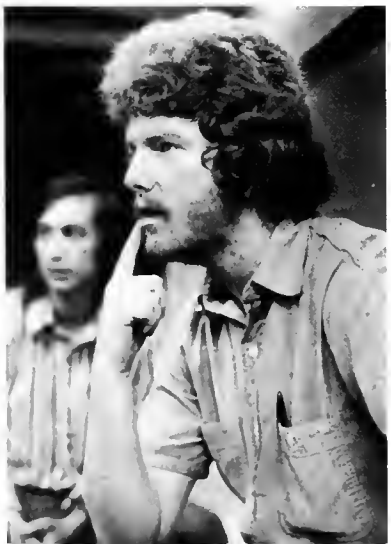
While study of a foreign language is not required, it is strongly recommended that the student who majors in English know at least one foreign language. Knowledge of a foreign language makes one more sensitive to the use and meaning of words in one's own language. Fur-

thermore, knowledge of a foreign language widens one's perspective and deepens one's understanding through the insights gained into another culture. Students who are considering graduate study certainly should become competent in at least one foreign language.

So that students will become familiar with another culture, the Department requires English majors to take at least one semester of Continental Literature, a course that focuses on the literature of a different major European culture each semester it is offered.

Environmental Studies This new Bachelor program offers the student four options in areas of concentration beyond the common group of core courses. These four specialties are: Water Quality Control, Air Quality Control, Community Health, and Community Ecology. The first three are oriented towards the biological and physical sciences, while the fourth is concentrated heavily in the behavioral and administrative sciences. Actually this latter specialty is an interdisciplinary program in the behavioral, biological, and physical sciences. There are increasing job opportunities for those trained in the general area of Environmental Studies as teachers, technicians, administrators, field workers, and as assistants to administrators in business, industry, and government.

A major in one of these areas of Environmental Studies will provide the necessary training to enable the student to continue his education and training in this area by being qualified to enter a professional school related to a specific environmental discipline, such as a school of Public Health or one of Urban Ecology.



Those students interested in one of the optional programs in Environmental Studies should consult with the chairman of the Biology Department before registration or during the first week of their first term.

History The study of history provides excellent preparation for those seeking professional careers in public service and general administration. This major also builds a good foundation for graduate study in various areas, such as law and teaching.

All History majors will be required to take in addition to HS 111-112 and HS 211-212 the following courses: HS 321 (History of Ancient Greece and Rome) or HS 317 (Renaissance and Reformation), and a course in Far Eastern History (HS 231 or HS 406 or HS 409). The major program consists of 36 hours to be determined with the advisor.

The History Department also offers majors in specific area studies: in American Studies, European Studies and Economic History. A student who wishes to major in one of these areas should consult with the department chairman for specific requirements.

AREAS OF STUDY

Mathematics The program of study in mathematics can provide a student with a basis for a career in industry or teaching, as well as for further studies in graduate school. Because mathematics is fundamental to so many fields, a degree in mathematics gives one an opportunity to diversify into areas such as engineering, physics, statistics, computer science, and business administration.

A major in mathematics must complete the following courses: M 117, M 118, M 121, M 203, M 204, M 231, M 321, M 325. In addition the student must complete four 300 level or 400 level mathematics courses approved by the mathematics department and 12 semester hours of natural science or engineering selected under advisement.

Occupational Safety and Health This program is designed to meet the stringent demands of the Occupational Safety and Health Act of 1970, which calls for a high level of professionalism in safety. The demands placed upon the safety professional require a broad background in physics, chemistry, engineering, psychology, and biology, to bring together the knowledge required by OSHA Law.

The program includes a diversified offering of restricted electives so as to provide a proper balance of flexibility to meet the needs and interests of individual students. The program description and course listings are available in a separate brochure.

The OSHA law applies to every employer of more than one employee. Consequently, the demand for professionally competent people includes not only industry but retailing, hospitals, construction, and communications, as well as government at all levels. In addition, there is a demand by labor unions and by State and Federal governments for endorsement administrators of this Act.

Associate in Science — Occupational Safety and Hygiene

FIRST AND SECOND YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
E 113	English Composition	3	E 206	English Composition & Lit.	3
P 111	Psychology	3	IE 106	Safety Org. & Mgt.	3
M 127	Finite Mathematics	3	M 128	Elementary Statistics	3
CH 105	Gen. Chem. w/Lab	4	CH 104	Organic Chem. w/Lab. (108)	4
	Electives	3		Electives	3
	Total	16		Total	16

THIRD AND FOURTH YEARS

IE 223	Personnel Administ.	3	IE 216	Elem. of Ind. Hygiene	3
SC 121	Gen. Biology I	3	SC 122	General Biology II	3
SC 131	Gen. Biology Lab	1	SC 132	General Biology Lab	1
FS 301	Essen. Fire Chem. w/Lab	3	FS 302	Prin. Fire Sci. Tech. w/Lab	3
	Electives	6	SO 113	Sociology	3
				Electives	3
	Total	16		Total	16

Bachelor of Science — Occupational Safety and Hygiene

(First two years same as for Associate Degree)

FIFTH AND SIXTH YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
IE 201	Accident Cond./Control	3	CH 110	Environmental Chemistry	3
SC 221	Human Ecology	3	SC 510	Gen. Env. Health	3
FS 303	Fire Prot. Fluids	3	FS 304	Fire Det. and Control	3
	Restricted Electives	3		Restricted Electives	3
	Electives	3		Electives	3
	Total	15		Total	15

SEVENTH AND EIGHTH YEARS

ME 124	Mechanical Processes	3	IE 217	Ind. Safety Aux. Funct.	3
SC 301	Microbiology w/Lab	3		Restricted Electives	9
	Restricted Electives	6		Electives	7
	Electives	3			
				Total	19
	Total	15			

Total — Bachelor of Science in Industrial Engineering: 128 Semester Hours.

Political Science A Political Science major provides the student with an excellent foundation for a career in government service on the local, state, national, and international levels; for a career in law; for graduate school programs in Political Science, International Relations and Foreign Affairs; and for careers in campaign management, communications, public relations and business. All Political Science and pre-law

Political Science majors or minors should discuss career goals and program orientation with a departmental advisor at an early stage in order to select relevant courses in a total program.

Potential Law and Graduate School students (in all disciplines) are urged to take special LSAT and GRE preparation courses available through the Political Science Department.

A Political Science major is required to take a total of 30 semester hours in the Political Science Department, which must include PS 121, 122, 261, 461, 462, and 499 or 500. All pre-law Political Science majors should take Introductory Accounting (A 111-112) as an elective and all others should take Statistics for Behavioral Science (Psychology 301) or Statistics (Quantitative Analysis 216) as an elective to complete the major.

AREAS OF STUDY

THE INSTITUTE OF LAW AND PUBLIC AFFAIRS

The Institute of Law and Public Affairs has been established to provide undergraduates with specific training in the areas of legal and public service. Students with an undergraduate major in any of the schools of the University can attain para-professional status in either Legal or Public Affairs by completing a minor in the Institute. The term "para-professional" applies to those with special training in a professional field but who do not yet possess the terminal degree normally required in the profession. In many instances the para-professional status is a step towards the accomplishment of the final degree.

Legal Affairs The field of legal affairs prepares students for positions as office managers, administrative assistants, legal investigators, data researchers, legal library assistants, and legislative researchers in private and public law firms and agencies. Students acquire specific skills which will enable them to do important legal work under the supervision of practicing attorneys. The legal affairs minor also prepares students for positions in the judicial system, and for research positions and clerkships in the law libraries of the state.

Public Affairs The Public Affairs minor in the Institute of Law and Public Affairs is directed towards providing training for civil service positions at the governmental level. The goal of such training is to provide more effective public administrators and to introduce creativity into the profession of public service. The Public Affairs minor will take a problem solving approach to the discipline as students will be conducting basic in-depth research on problems of governmental agencies. Students in this minor will be able to develop valuable insights into the nature of the public process from the vantage point of the bureaucracy.

Psychology Graduate study leading to the Master's degree is minimal for professional status in Psychology. A solid foundation for such graduate work is defined by a broadly-based liberal education.

Major requirements, under advisement, include P 111, P 301, P 305, P 321, P 350 and twenty-one hours of advanced Psychology courses, SC 121, SC 123, SO 113, PHL 111 or 124 and one college-level mathematics course. Only two 200-level Psychology courses may be counted toward the major.

Sociology Students who wish to understand the intellectual tradition that has focused on the description and explanation of human society will be interested in a sociology major. It requires a humanistic orientation while regarding empirical research as the major means of extending knowledge about man. It anticipates awakening insight in predicting social indicators. A sociology major may continue his work in graduate school or he may find employment in such fields as research, governmental service, personnel work, advertising, journalism and industry.

Major requirements are SO 113, either 114 or 214, 250, 413 and 440, P 301 or M 128, and fifteen additional semester hours in sociology, at least 9 of which must be taken from the 300 level or above. A student may substitute 3 semester hours of SW credit for SO credits toward the major. SO 231, 311 and 320 are listed in other departments in the University schedules but are designated as comparable sociology listings and may be used as credit toward the major.

Social Welfare Students who wish to go into Social Work and related areas may take a concentration in Social Welfare. The program trains students to work with people, both individually and in groups, perceiving problem situations and dealing with these in a professional manner. Graduates must have the knowledge, attitudes, and skills common to the profession at the baccalaureate level. They must also be aware of the overall problems confronting society today and the position Social Work takes in response to these problems.

There are employment opportunities in federal, state, and private organizations, or the student may wish to continue his education in a graduate school of social work.

Major requirements are: SO 113, 114, 250, P 301 or M 128, SW 220, 350-351, 340, 401-402, 415-416, 475.

Teacher Education The University offers a "Minor" program in Education to those students who wish to explore teaching as a profession during their undergraduate years. This service enables such students to broaden their knowledge of neighboring public school systems and to expand their opportunities should they decide on teaching as a career.

The Education Minor offers several advantages:

(a) students may elect these courses for credit toward their Bachelor's degree in their major fields,

(b) these basic professional courses may be applied toward State of Connecticut Teaching Certification,

(c) these Education courses may be incorporated into a graduate school program leading toward a Master's degree and the Permanent Teaching Certificate in the State of Connecticut.

AREAS OF STUDY

CORE REQUIREMENTS BACHELOR PROGRAMS

These course requirements and those prescribed by the students' major department must be met by all Arts and Science students.

Bachelor of Arts

18 s.h.	**English and Humanities**
3	English Composition
3	English Composition and Literature
6	*Fine Arts
6	Literature
24 s.h.	**Social Sciences**
3	Economics
6	History, of which 3 s.h. must be either Western Civilization I or Western Civilization II
3	Philosophy
3	Psychology
3	Sociology
3	Political Science
3	A course chosen from any Social Science department
11-12 s.h.	**Science and Mathematics**
	Physics
	Chemistry
	Science
	Biology
	Mathematics

Total 53-54 semester hours.

* Fine Arts includes Art, Music, and Theater.

**Students must elect at least one semester of a laboratory science with lab.

BACHELOR PROGRAM

TYPICAL FRESHMAN YEAR

	Fall			Spring	
E 113	English Composition	3	E 206	English Comp. & Lit.	3
HS 111, or HS 112	Western Civilization I or II	3		History	3
	Foreign Language	3		Foreign Language	3
	Mathematics or Science	3		Mathematics or Science	3
	*Elective	3		*Elective	3
		15			15

* Choices should be determined by the requirements of the student's major.

TYPICAL FRESHMAN YEAR

Biology SC 251-252, CH 105-106, M 115-116, M 117-118, or M 127-128. Omit Foreign language, Elective, and HS 111-112 in freshman year.

Economics and History PS 121, SO 113, P 111.

Chemistry M 117, 118, CH 105, 106, German or Russian.

Mathematics M 117, 118, 121.

Physics CH 105, 106, M 117, 118, PH 150, 205, German, French, or Russian. Omit HS 111-112 in freshman year.

A student will be assigned an adviser in his major area before preregistration for the first semester of the sophomore year.

30

ASSOCIATE IN SCIENCE PROGRAM GENERAL STUDIES

General Studies This major is offered for those students who wish a college degree of a general nature and for those students who have not yet decided upon a field of specialization but who, in the meantime, want to start college work.

General Studies Major

FIRST AND SECOND YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
E 113	English Composition	3	E 206	Eng. Comp. & Lit.	3
P 111	Psychology	3	HS 111	Western Civ. I	
PS 121	American Government	3		or	
	Foreign Language or		HS 112	Western Civ. II	3
	Elective	3	SO 113	Sociology	3
	*Elective	3		Foreign Language or	
		—		Elective	3
	Total	15		*Elective	3
					—
				Total	15

THIRD AND FOURTH YEARS

	Foreign Language or		HS 112	Western Civ. II	
	Elective	3		or	
EC 133	Prin. of Economics I	3		History Elective	3
	Literature Elective	3		Foreign Language or	
	Science, or Math.	3		Elective	3
	*Elective	3		Science, or Math.	3
		—		*Electives	6
	Total	15			—
				Total	15

* Students who expect to transfer to a four-year program leading to a Bachelor degree should complete 12 hours of science or mathematics.

The student is expected to carry 15 credit hours per semester. A total of 60 semester hours is required for the degree.

SCHOOL OF BUSINESS ADMINISTRATION

WARREN J. SMITH, DEAN

Bachelor of Science Degree

MAJORS IN:

- ACCOUNTING
- BUSINESS ADMINISTRATION
- COMMUNICATION
- CRIMINAL JUSTICE WITH PROGRAMS IN
  - LAW ENFORCEMENT ADMINISTRATION
  - FORENSIC SCIENCE
  - CORRECTIONAL ADMINISTRATION
- ECONOMICS
- FINANCE
- HOTEL, RESTAURANT, INSTITUTIONAL MANAGEMENT, TOURISM AND TRAVEL
- INTERNATIONAL BUSINESS
- MANAGEMENT SCIENCE
- MARKETING
- OPERATIONS MANAGEMENT INCLUDING COMPUTER SCIENCE
- PERSONNEL MANAGEMENT
- PUBLIC ADMINISTRATION
- RETAILING

Associate in Science Degree

MAJORS IN:

- BUSINESS ADMINISTRATION
- CORRECTIONAL ADMINISTRATION
- HOTEL ADMINISTRATION
- LAW ENFORCEMENT
- RETAILING

BUSINESS ADMINISTRATION

The School of Business Administration provides programs to prepare students for (1) several areas of business and economics, (2) the broad field of criminal justice, and (3) public administration. The courses of study combine strong professional programs with comprehensive background in the liberal arts.

The School of Business Administration considers it axiomatic that, over the long run, a graduate is better prepared for the business world when his collegiate business background has been comprehensive rather than highly specialized. Consequently, only a limited amount of specialization is intended in the various departmental majors.

AREAS OF STUDY

Accounting—is selected by those who wish to make this their career, including possibly ultimate attainment of the Certified Public Accountant license. Accounting has long been recognized as a preferred route to management responsibilities in many fields of business.

The student has the option of selecting the Financial Accounting Concentration or the Managerial Accounting Concentration.

Business Administration—is the field generally chosen by those students who have not yet developed their career objectives.

Communication—The opportunities to the graduate are unlimited. A career field may be chosen in any one of several media.

Economics—is a broad field in which specialists are called for by industry and government particularly to staff various types of research activities. This major is also one that would be considered by the student contemplating future graduate work or attendance at law school.

Finance—is one of the business disciplines that has extensive application to businesses generally.

Hotel, Restaurant, Institutional Management, Tourism and Travel—is selected by those who wish to make this their career. There are numerous opportunities available to the graduate in the institutional field, restaurant management, hotel administration, and tourism.

International Business A comparatively new field of study dealing with the problems of developing and adopting business practices for the purpose of operating within different economies, different political systems and different cultures. Selected by students who wish to make this their career.

AREAS OF STUDY

Management Science—this provides the student with an understanding of the business organization and the concepts underlying the managerial processes. The graduate has numerous opportunities available to him in many fields of business.

Marketing—is a widely recognized phase of business that presents unmatched opportunities to the qualified graduate, depending on whether his interests are in the selling, managing, or analytical phases.

Operations Management—is a growing profession. Its practices make increased use of quantitative analysis in the scientific management of business. Students with specific interest in data processing usually select this field.

Personnel Management—a discipline offering excellent career opportunities for both men and women. Majoring in personnel management affords the student an opportunity to obtain a solid foundation in the behavioral sciences within a business administration program.

Public Administration The Public Administration program is designed to prepare the students for careers in public affairs (government service, politics), governmental research, graduate school, or to give the student an insight, generally, into the various governmental organizations, functions, and methodology which are used to both determine and provide the services to the people.

On the premise that the basic skills required in managerial positions in public service have much in common with those of the manager in private industry, the student follows much the same program as other business students during the first two years.

For his junior and senior years, the student majoring in Public Administration will arrange his program under the guidance of his Departmental Chairman, so as to meet his defined objectives. A wide selection of courses is available in the School of Business Administration and the School of Engineering.

Retailing—is selected by those who wish to make this field of business their career. The options available to the graduate are varied, offering opportunities in selling, merchandising and advertising.

Criminal Justice Four-year bachelor degree programs in criminal justice are offered. They are planned for high school graduates interested in any of the many careers in the administration and operation of criminal justice agencies on the federal, state, and local levels of government. Three programs are offered: Law Enforcement, Forensic Science, and Corrections.

AREAS OF STUDY

Law Enforcement This program prepares students for administrative careers with federal, state, and local law enforcement agencies or public and private security forces. Law enforcement administration is concerned with the activities and behavior of people in terms of maintaining law and order, providing needed services, and protecting life and property. The program provides basic studies in the liberal arts and public administration as well as courses pertaining to law enforcement administration and criminal justice.

Forensic Science This program prepares students for careers as forensic scientists, criminologists, or evidence technicians in the field of criminal investigation and identification. The program includes basic studies in the natural sciences, liberal arts, and public administration as well as courses in forensic science and criminal justice.

Corrections This program prepares students for administrative careers with federal, state, local, and private correctional agencies. Correctional administration is concerned with the institutional and non-institutional treatment of offenders. The program provides basic studies in the liberal arts and public administration as well as courses pertaining to correctional administration and criminal justice.

PROGRAMS

The typical degree programs in the various majors follow. If a student has special interests not provided for by these programs, an endeavor will be made to prepare a specific program for him (e.g. combined programs in Business and Chemistry).

The programs provided in the School of Business are divided into three general categories: (1) the business majors which are presented next below, (2) the programs in law enforcement, and (3) the program in public administration.

All business students take similar core courses in business, the allied social sciences, and certain other liberal arts subjects. Then several courses are taken in the major business field selected by the student. The program is rounded out with electives.

MINORS

The student majoring in Business Administration may select one of the following minors:

Applied Design	Electrical Engineering	Philosophy
Art	English	Physics
Biology	History	Political Science
Chemistry	Materials Engineering	Psychology
Civil Engineering	Mathematics	Public Administration
Communications	Mechanical Engineering	Sociology
Economics	Music Appreciation	

(a) The only transfer credit that can be recognized as part of a minor is a course considered to be a prerequisite for the minor. (i.e. P 111 Psychology). With the exception of the prerequisite for the minor that may be required in the core, the student majoring in the School of Business Administration will not be allowed any more courses than required in the specific minor field. Should he or she enroll for an extra course in the minor, the course will be treated as excess credit. Though a minor is granted because it offers a concentration within a discipline above the survey level, the student as a business major must maintain as varied a selection of liberal arts courses as may be available to him exclusive of electives used to fill the minor requirements. Electives that remain after the student has completed his minor must be taken in other disciplines.

(b) Only one minor will be recognized.

(c) A student may change his minor.

CORE COURSES

FIRST AND SECOND YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
E 113	English Composition	3	E 206	Composition & Literature	3
HS 112	Western Civilization II	3	HS 114	Economic History of the Western World	3
LA 101	Business Law	3	QA 128	Quantitative Techniques	3
QA 118	Business Mathematics I	3 (a)(b)	MK 105	Marketing	3
	Sociology or Psychology or Political Science	3	IE 105	Technical Data Processing	3
	Total	15		Total	15

THIRD AND FOURTH YEARS

A 111	Intro. Accounting I	3	A 112	Intro. Accounting II	3
EC 133	Principles of Economics I	3	EC 134	Principles of Economics II	3
	Literature or Philosophy or Fine Arts	3		Literature or Philosophy or Fine Arts	3
OA 216	Statistics	3 (c)	MG 125	Management & Organization	3
	Science	3		Science	3
	Total	15		Total	15

Notes: (a) Subject to placement examination by the School of Business.

(b) M 115 Mathematical Analysis I and M 116 Mathematical Analysis II may be substituted for the QA 118 and QA 128 sequence.

(c) Retailing, Communications, and Hotel Management majors will take QA 314 Research Techniques in Business.

Programs listed immediately following this page detail course requirements for third and fourth years only. First and second year course requirements are the same as the "Core Courses" listed above. Other programs have varying first and second year course requirements and are listed separately near the end of the section.

Before the end of the sophomore year a student will select a business major and a minor in consultation with the appropriate chairman or other designated advisor. The degree program for the student's third and fourth years will be prepared in consultation with an advisor. This will involve the selection of electives in addition to the required courses. Any University course may be used as an elective.

Courses offered outside of the School of Business Administration or the Industrial Engineering Department of the School of Engineering shall comprise not less than 40 percent of all work taken toward graduation. Representative programs follow. A minimum of 120 semester hours is required for graduation.

The junior or senior student may be required to participate in one of the programs available in the School of Business Administration, such as the Small Business Institute or the New Products and Concepts Laboratory. These experiences introduce the student to the challenge of business realities before graduation.

Marketing

(Following core courses listed earlier in this section)

FIFTH AND SIXTH YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
RT 301	Retailing	3	MK 316	Sales Management	3
MG 231	Industrial Relations	3	MK 302	Industrial Marketing	3
MK 315	Marketing Management	3		Sociology or Psychology or Political Science	3
	Electives	6		Electives	6
	Total	15		Total	15

SEVENTH AND EIGHTH YEARS

MK 342	Marketing Research	3	MK 107	Advertising & Promotion	3
MG 510	Managerial Economics	3	MG 512	Business Seminar	3
IB 312	International Business	3		Electives	9
	Electives	6		Total	15
	Total	15			

Operations Management

(Following core courses listed earlier in this section)

FIFTH AND SIXTH YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
IE 233	Cost Control	3	IE 503	Operations Research	3
MG 231	Industrial Relations	3	MG 350	Advanced Management	3
QA 250	Quantitative Analysis	3		Sociology or Psychology or Political Science	3
	Business Elective	3		Business Elective	3
	Elective	3		Elective	3
	Total	15		Total	15

SEVENTH AND EIGHTH YEARS

IE 508	Systems Analysis	3	IE 234	Production Control	3
MG 510	Managerial Economics	3	MG 512	Seminar	3
	Business Elective	3	MG 550	Business Policy	3
	Electives	6		Electives	6
	Total	15		Total	15

Personnel Management

(Following core courses listed earlier in this section)

FIFTH AND SIXTH YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
EC 350	Economics of Labor Rel.	3	IE 201	Accident Conditions and Controls ...	3
IE 223	Personnel Administration	3			
EC 340	Microeconomic Analysis	3	P 212	Business & Industrial Psychology	3
P 111	Psychology	3	MG 231	Industrial Relations	3
	Elective	3		Electives	6
	Total	15		Total	15

SEVENTH AND EIGHTH YEARS

MG 550	Business Policy	3	FI 227	Risk and Insurance	3
MG 455	Organizational Effectiveness	3	IE 243	Work Analysis	3
IE 106	Safety Organization and Management	3	MG 512	Business Seminar	3
	Electives	6		Electives	6
	Total	15		Total	15

Business Administration

(Following core courses listed earlier in this section)

FIFTH AND SIXTH YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
IB 312	International Business	3	FI 227	Risk and Insurance	3
FI 113	Finance	3	EC 340	Microeconomic Analysis	3
MG 350	Advanced Mgt.	3	MK 315	Marketing Management	3
	Sociology or Psychology or Political Science	3	MG 231	Industrial Relations	3
	Elective	3		Elective	3
	Total	15		Total	15

SEVENTH AND EIGHTH YEARS

MG 455	Organizational Effectiveness	3	MG 512	Business Seminar	3
MG 510	Managerial Economics	3	FI 345	Financial Institutions & Capital Markets	3
	Electives	9		Business Elective ...	3
	Total	15		Electives	6
				Total	15

Economics

(Following core courses listed earlier in this section)

FIFTH AND SIXTH YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
EC 336	Money and Banking	3	EC 340	Microeconomic Analysis	3
	Economics Electives	6		Economics Elective	3
	Electives	6		Sociology or Psychology or Political Science	3
	Total	15		Electives	6
				Total	15

SEVENTH AND EIGHTH YEARS

EC 445	Macroeconomic Analysis	3	MG 512	Business Seminar	3
EC 320	Mathematical Methods in Economics	3		Economics Electives	6
	Electives	9		Electives	6
	Total	15		Total	15

Finance

(Following core courses listed earlier in this section)

FIFTH AND SIXTH YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
EC 445	Macroeconomic Analysis	3	FI 345	Financial Institutions & Capital Markets	3
FI 113	Finance	3			
FI 214	Real Estate	3	FI 230	Investments	3
A 221	Intermediate Accounting I	3	A 222	Intermediate Accounting II	3
	Elective	3		Sociology or Psychology or Political Science	3
	Total	15		Elective	3
				Total	15

SEVENTH AND EIGHTH YEARS

EC 314	Public Finance	3	FI 229	Financial Management	3
MG 510	Managerial Economics	3	MG 512	Business Seminar	3
QA 333	Advanced Statistics	3	FI 227	Risk and Insurance	3
	Electives	6		Electives	6
	Total	15		Total	15

International Business

(Following core courses listed earlier in this section)

FIFTH AND SIXTH YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
EC 342	International Economics	3	MG 350	Advanced Mgt.	3
IB 312	International Business	3	IB 313	International Marketing Mgt.	3
FI 350	International Finance	3	EC 440	Economic Development	3
	**IB Elective	3		**IB Elective	3
	*Elective/Language	3		*Elective/Language	3
	Total	15		Total	15

SEVENTH AND EIGHTH YEARS

IB 415	Comparative Management	3	IB 549	International Business Policy	3
IB 321	Operation of the Multi-national Firm	3		Psychology, Sociology or Political Science	3
	Literature, Philosophy or Fine Arts	3		Literature, Philosophy or Fine Arts	3
	**IB Elective	3		Electives	6
	*Elective/Language	3			
	Total	15		Total	15

*Language requirement is optional
**To be approved by the Chairman.

Management Science

(Following core courses listed earlier in this section)

FIFTH AND SIXTH YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
MG 324	Development of Management Thought	3	IB 312	International Business	3
MG 231	industrial Relations	3	MG 350	Advanced Management	3
FI 113	Business Finance	3	MK 315	Marketing Management	3
	Sociology or Psychology or Political Science	3		Business Elective	3
	Elective	3		Elective	3
	Total	15		Total	15

SEVENTH AND EIGHTH YEARS

IB 415	Comparative Management	3	MG 550	Business Policy	3
MG 455	Organizational Effectiveness	3	MG 515	Readings Seminar in Management	3
MG 510	Managerial Economics	3	MG 512	Business Seminar	3
	Electives	6		Business Elective	3
	Total	15		Elective	3
				Total	15

FIRST AND SECOND YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
E 113	English Composition	3	E 206	Comp. and Lit.	3
PS 121	American Government	3		Psychology or Sociology	3
	Psychology or Sociology	3	HS 114	Economic History of the Western World	3
HS 112	Western Civ. II	3		Science/Math	3
	Science/Math	3		Elective	3
	Total	15		Total	15

THIRD AND FOURTH YEARS

MG 125	Management & Organization	3	PA 301	Principles of Public Administration	3
EC 133	Principles of Economics I	3			
CO 101	Fundamentals of Communication	3	CO 206	Sound Workshop	3
	Literature or Fine Arts	3	CO 102	Problems of Communication	3
	Elective	3		Literature or Fine Arts	3
			AT 211	Design	3
	Total	15		Total	15

FIFTH AND SIXTH YEARS

CO 210	Film Making Theory and Practice	3	CO 220	Film Production	3
			PL 111	Philosophy	3
CO 208	Radio Broadcasting	3	SO 418	Public Opinion and Social Pressures	3
SO 318	Political Sociology	3		Restrictive Elective	3
	Restrictive Elective	3		Elective	3
	Elective	3			
	Total	15		Total	15

SEVENTH AND EIGHTH YEARS

P 321	Social Psychology	3		Restrictive Electives	6
QA 314	Research Techniques in Business	3		Electives	9
	Restrictive Electives	6		Total	15
	Elective	3			
	Total	15			

The student will take 5 courses as follows: CO 101, CO 102, CO 208, CO 210 and CO 220. In addition he would take 6 restricted electives determined by his advisor. The courses might be T. V. Production 1 and 2, Dramatic Writing, Laws of Communication, Government Regulations of Media, Comparative Broadcast Systems. These courses emphasize field work. The program allows room for a minimum of 6 elective courses. These courses could be taken from any division under the guidance of an advisor. They would be courses related to the student's major. Thus a student would have 33 hours in his major and a minimum of 18 hours of free electives.

BACHELOR DEGREE PROGRAMS

Financial Accounting Major

FIRST AND SECOND YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
E 113	English Composition	3	E 206	English Comp. & Literature	3
QA 118	Business Mathematics I	3	QA 128	Quantitative Techniques	3
EC 133	Principles of Economics I	3	EC 134	Principles of Economics II	3
	Psychology, Sociology, or Political Science	3		Science	3
	Science	3		Psychology, Sociology, or Political Science	3
	Total	15		Total	15

THIRD AND FOURTH YEARS

A 111	Introductory Accounting I	3	A 112	Introductory Accounting II	3
LA 101	Business Law I	3	LA 102	Business Law II	3
QA 216	Statistics	3	MK 105	Marketing	3
HS 112	Western Civilization II	3	IE 105	Introduction to Computers/COBOL	3
MG 125	Management & Organization	3	HS 114	Economic History of the Western World	3
	Total	15		Total	15

FIFTH AND SIXTH YEARS

A 221	Intermediate Accounting I	3	A 222	Intermediate Accounting II	3
A 223	Cost Accounting I	3	A 224	Cost Accounting II	3
FI 113	Business Finance	3	FI 230	Investments	3
	Literature, Philosophy, or Fine Arts	3		Literature, Philosophy, or Fine Arts	3
	Elective	3		Elective	3
	Total	15		Total	15

SEVENTH AND EIGHTH YEARS

A 331	Advanced Accounting I	3	A 332	Advanced Accounting II	3
A 333	Auditing I	3	A 334	Auditing II	3
A 335	Income Tax Procedures I	3	A 336	Income Tax Procedures II	3
	Elective	3		Elective	3
	Elective	3		Elective	3
	Total	15		Total	15

Criminal Justice—
Correctional Administration Major

FIRST AND SECOND YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
CJ 101	Intro. to Criminal Justice	3	CJ 102	Criminal Law	3
E 113	English Composition	3	E 206	English Comp. & Literature	3
SO 113	Sociology	3	CJ 104	Intro. to Police & Law Enforcement	3
P 111	Psychology	3			
PS 121	American Government	3	CJ 107	Intro. to Corrections	3
				Restricted Elective—Math	3
	Total	15		Total	15

THIRD AND FOURTH YEARS

CJ 205	Interpersonal Relations	3	CJ 218	Criminal Procedures II & Evidence	3
CJ 209	Correctional Treatment Programs	3	SO 250	Research Methods	3
CJ 217	Criminal Procedures I	3	P 315	Psychology of Learning	3
CJ 221	Juvenile Delinquency	3	PS 122	State and Local Government and Politics	3
	Science Elective w/Lab	4		Science Elective w/Lab	4
	Total	16		Total	16

FIFTH AND SIXTH YEARS

CJ 300	History of Criminal Justice	3	CJ 301	Group Dynamics in Criminal Justice	3
CJ 302	Behaviorism: Applications in Criminal Justice	3	CJ 309	Probation and Parole	3
PA 301	Public Administration	3	CJ 311	Criminology	3
PS 332	Constitutional Law	3	IE 246	Statistical Analysis	3
	Restricted Elective	3	P 336	Abnormal Psychology	3
	Total	15		Total	15

SEVENTH AND EIGHTH YEARS

CJ 408	Correctional Counseling	3	CJ 501	Internship or Restricted Elective	3
IE 105	Introduction to Computers/COBOL	3	IE 507	Systems Analysis	3
	Restricted Elective	3		Restricted Elective	3
	Restricted Elective	3		Elective	3
	Elective	3		Elective	3
	Total	15		Total	15

TOTAL: 122 Semester Hours.

Day courses offered by the Department of Criminal Justice on the main campus in West Haven meet either on Tuesday and Thursday or Monday, Wednesday, and Friday. Evening courses offered on the main campus meet one evening each week from 7:00 to 9:45 p.m. Extension courses conducted in Norwalk, New London, and Plainville generally meet one evening each week from 7:00 to 9:45 p.m.

However, a number of courses conducted on the main campus and extension courses in Norwalk, New London, and Plainville are offered on a special basis one day each week. Under this arrangement, the course meets one morning each week from 9:00 to 11:45 a.m. and again the same evening from 7:00 to 9:45 p.m. Students may attend either lecture that week depending upon their work schedule.

BACHELOR DEGREE PROGRAMS

Criminal Justice—Forensic Science Major

FIRST AND SECOND YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
E 113	English Composition	3	E 206	English Comp. & Literature	3
CJ 101	Intro. to Criminal Justice	3	CJ 102	Criminal Law	3
SC 121	Biology I	3	CJ 104	Intro. to Police & Law Enforcement	3
SC 131	Biology Lab. I	1			
SC 135	Earth Sciences	3	SC 123	Human Biology	3
CH 105	General Chemistry I w/Lab.	4	SC 132	Biology Lab. II	1
			CH 106	General Chemistry II w/Lab.	4
	Total	17		Total	17

THIRD AND FOURTH YEARS

PH 103	General Physics I	3	PH 104	General Physics II	3
PH 105	General Physics Lab. I	1	PH 106	General Physics Lab. II	1
M 127	Finite Mathematics	3	M 128	Elementary Statistics	3
CH 301	Organic Chem. w/Lab.	4	CH 302	Organic Chem. w/Lab.	4
CJ 201	Prin. of Criminal Invest.	3	CJ 215	Intro. to Forensic Science	3
CJ 219	Evidence	3	SO 113	Sociology	3
	Total	17		Total	17

FIFTH AND SIXTH YEARS

CJ 300	History of Criminal Justice	3	CJ 311	Criminology	3
P 111	Psychology	3	CJ 304	Forensic Science Lab. II	3
CJ 303	Forensic Science Lab. I	3	SC 503	Pathology w/Lab.	4
SC 303	Histology w/Lab.	4	SC 362	Biochemistry II w/Lab.	4
CH 211	Quant. Analysis w/Lab.	4	SC 320	Forensic Medicine	3
	Total	17		Total	17

SEVENTH AND EIGHTH YEARS

CH 351	Qual. Org. Chem. w/Lab.	4	CH 341	Instrumental Methods of Analysis w/Lab.	4
SC 304	Immunology & Serology w/Lab.	4	SC 521	Toxicology w/Lab.	4
SC 519	Pharmacology w/Lab.	4	SC 509	Scientific Photographic Documentation	3
SC 515	Biophysics I	3	PH 201	Tech. in Nuclear Physics	2
	Total	15		Total	13

TOTAL: 130 Semester Hours

Criminal Justice—

Law Enforcement Administration Major

FIRST AND SECOND YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
CJ 101	Intro. to Criminal Justice	3	CJ 102	Criminal Law	3
E 113	English Composition	3	E 206	English Comp. & Literature	3
SO 113	Sociology	3	CJ 104	Intro. to Police & Law Enforcement	3
P 111	Psychology	3			
PS 121	American Government	3	CJ 107	Intro. to Corrections	3
				Restricted Elective — Math	3
	Total	15		Total	15

THIRD AND FOURTH YEARS

CJ 201	Principles of Criminal Investigation	3	CJ 215	Intro. to Forensic Science	3
CJ 205	Interpersonal Relations	3	CJ 218	Criminal Procedures II & Evidence	3
CJ 217	Criminal Procedures I	3	SO 250	Research Methods	3
CJ 221	Juvenile Delinquency	3		Science Elective w/Lab.	4
	Science Elective w/Lab.	4		Elective	3
	Total	16		Total	16

FIFTH AND SIXTH YEARS

CJ 300	History of Criminal Justice	3	CJ 301	Group Dynamics in Criminal Justice	3
PA 301	Public Administration	3			
PS 332	Constitutional Law	3	CJ 311	Criminology	3
	Restricted Elective	3	P 336	Abnormal Psychology	3
	Elective	3	IE 346	Statistical Analysis	3
				Elective	3
	Total	15		Total	15

SEVENTH AND EIGHTH YEARS

CJ 402	Police-Community-Relations	3	CJ 501	Internship or Restricted Elective	3
IE 105	Introduction to Computers/COBOL	3	IE 507	Systems Analysis	3
	Restricted Elective	3		Restricted Elective	3
	Elective	3		Elective	3
	Elective	3		Elective	3
	Total	15		Total	15

TOTAL: 122 Semester Hours

Associate Degree Programs Successful completion of the first two years of one of the programs offered by the Department of Criminal Justice with a minimum quality point average of 2.00 qualifies the student for the Associate in Science in either Law Enforcement Administration, Forensic Science, or Correctional Administration.

BACHELOR DEGREE PROGRAMS

Hotel, Restaurant, Institutional Management, Tourism and Travel

FIRST AND SECOND YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
E 113	English Composition	3	E 220	Report Writing	3
HM 101	Laws of Inn-keeping	3	MG 105	Marketing	3
HM 103	Principles of Hotel Management	3	HM 104	Procedures & Techniques in Hotel Management	3
	Math	3		Math	3
	Sociology or Psychology or Political Science	3	IE 105	*Intro. to Computers (COBOL)	3
	Total	15		Total	15

THIRD AND FOURTH YEARS

A 111	Introductory Accounting I	3	A 112	Introductory Accounting II	3
EC 133	Principles of Economics I	3	MK 107	Advertising & Promotion	3
	**Science	3		**Science	3
FI 113	Business Finance	3	HM 150	Management Decision Making	3
HM 165	Tourism	3	MG 125	Management & Organization	3
	Total	15		Total	15

FIFTH AND SIXTH YEARS

HM 302	Purchasing & Control	3	A 342	Management Accounting	3
FI 227	Risk & Insurance	3	FI 230	Investments	3
	Literature or Philosophy or Fine Arts	3		Sociology or Psychology or History	3
	Hotel Management Elective	3		Hotel Management Elective	3
	Elective	3		Elective or Foreign Language	3
	Total	15		Total	15

SEVENTH AND EIGHTH YEARS

EC 350	Economics of Labor Relations	3	HM 512	Seminar in Hotel Management	3
MK 316	Sales Management	3	HM 411	Analysis of Design Systems	3
	Hotel Management Elective	3		Hotel Management Elective	3
	Electives	6		Electives	6
	Total	15		Total	15

* Students may Substitute HM 410.

** SC 115-116 Biology is recommended.

Hotel Management Electives are to be chosen from the areas of Hotel Administration, Restaurant Management, Institutional Management, Tourism and Travel.

FIRST AND SECOND YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
E 113	English Composition	3	E 206	English Composition & Literature	3
QA 118	Business Mathematics I	3	QA 128	Quantitative Techniques	3
EC 133	Principles of Economics I	3	EC 134	Principles of Economics II	3
	Psychology, Sociology, or Political Science	3		Science	3
	Science	3		Psychology, Sociology, or Political Science	3
	Total	15		Total	15

THIRD AND FOURTH YEARS

A 111	Introductory Accounting I	3	A 112	Introductory Accounting II	3
LA 101	Business Law I	3	MK 105	Marketing	3
QA 216	Statistics	3	IE 105	Introduction to Computers/COBOL	3
HS 112	Western Civilization II	3	HS 114	Economic History of the Western World	3
MG 125	Management & Organization	3		Literature, Philosophy, or Fine Arts	3
	Total	15		Total	15

FIFTH AND SIXTH YEARS

A 221	Intermediate Accounting I	3	A 222	Intermediate Accounting II	3
A 223	Cost Accounting I	3	A 224	Cost Accounting II	3
FI 113	Business Finance	3	FI 229	Financial Management	3
	Literature, Philosophy, or Fine Arts	3	MG 350	Advanced Management Theory	3
	Elective	3		Elective	3
	Total	15		Total	15

SEVENTH AND EIGHTH YEARS

A 335	Income Tax Procedures I	3	A 336	Income Tax Procedures II	3
A 333	Auditing I	3	A 339	Managerial Accounting	3
A 331	Advanced Accounting I	3	MG 510	Managerial Economics	3
	Elective	3		Elective	3
	Elective	3		Elective	3
	Total	15		Total	15

BACHELOR DEGREE PROGRAMS

Public Administration

FIRST AND SECOND YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
E 113	English Composition	3	E 206	Composition & Literature	3
	*Science	3	EC 300	Economic History of the U. S.	3
	Math.	3		*Science	3
	Sociology or Psychology	6		Math.	3
	Total	15	IE 105	Introduction to Computers/COBOL	3
				Total	15

THIRD AND FOURTH YEARS

A 111	Introductory Accounting I	3	A 114	Municipal Accounting	3
EC 133	Principles of Economics I	3	EC 134	Principles of Economics II	3
PS 121	American Government	3		Literature or Philosophy or Fine Arts	3
QA 314	Research Techniques in Business	3	PS 216	Urban Government	3
LA 101	Business Law	3	MG 125	Management & Organization	3
	Total	15		Total	15

FIFTH AND SIXTH YEARS

PA 301	Public Administration	3	PA 302	Procedures in Public Admin.	3
EC 314	Public Finance	3	PA 390	Administrative Law	3
	Electives	9	PA 307	Urban & Regional Problems	3
				Electives	6
	Total	15		Total	15

SEVENTH AND EIGHTH YEARS

PA 408	Collective Bargaining in the Public Sector	3	PA 490	Prin. & Practices of Public Health Administration	3
PA 320	Municipal Finance and Budgeting	3	PA 512	Seminar in Public Admin.	3
	Electives	9		Electives	9
	Total	15		Total	15

* SC 121-122 Biology with lab. is recommended.

TOTAL: 120 Semester Hours

FIRST AND SECOND YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
E 113	English Composition	3	E 206	Composition & Literature	3
HS 112	Western Civilization II	3	HS 114	Economic History of the Western World	3
LA 101	Business Law I	3	MK 105	Principles of Marketing	3
	Math	3		Math	3
	Sociology, Psychology or Political Science	3	IE 105	Introduction to Computers/COBOL	3
	Total	15		Total	15

THIRD AND FOURTH YEARS

A 111	Introductory Accounting I	3	A 112	Introductory Accounting II	3
EC 133	Principles of Economics I	3	EC 134	Principles of Economics II	3
MK 107	Advertising & Promotion	3	RT 121	Retailing	3
QA 314	Research Techniques in Business	3	MG 125	Management & Organization	3
	Science	3		Science	3
	Total	15		Total	15

FIFTH AND SIXTH YEARS

RT 209	Retail Advertising & Sales Promotion	3	RT 215	Retail Credit Management	3
RT 212	Textiles	3	RT 213	Furniture & Apparel Accessories	3
MG 231	Industrial Relations	3		Sociology, Psychology, or Political Science	3
	Electives	6		Electives	6
	Total	15		Total	15

SEVENTH AND EIGHTH YEARS

RT 303	Fashions in Retailing	3	RT 310	Retail Merchandise Mgmt.	3
	Literature, Philosophy or Fine Arts	3	MG 512	Seminar	3
MG 510	Managerial Economics	3		Internship	3
	Electives	6		Electives	6
	Total	15		Total	15

5917-UNB
BALDWIN

SCHOOL OF ENGINEERING

THOMAS C. WARNER, JR., DEAN

Bachelor of Science Degree

MAJORS IN:

CIVIL ENGINEERING
ELECTRICAL ENGINEERING
INDUSTRIAL ENGINEERING
MATERIALS ENGINEERING
MECHANICAL ENGINEERING
COMPUTER TECHNOLOGY

Associate in Science Degree

MAJORS IN:

ENGINEERING SCIENCE
ENGINEERING
AERONAUTICAL TECHNOLOGY

ENGINEERING

An applicant for admission to the Engineering Programs should be a graduate of a secondary school of approved standing and should present 15 acceptable units of secondary school work. These should include 4 units of English, 2 units of algebra, 1 of plane geometry, ½ of trigonometry, and 1 unit each of physics and a second science. Deficiencies in English, mathematics, and/or science may be satisfied by summer school attendance, or by an extension of the stated curriculum for one or two semesters chosen to fit the student's need.

ADMISSION REQUIREMENTS

Satisfactory placement in tests covering scholastic aptitude, mathematics, and English, as given by the College Entrance Examination Board (S.A.T.) or American College Testing Program (A.C.T.), is required.

MATRICULATION

Matriculation for Bachelor's Degree Students who have completed at least two semesters or equivalent (30 academic credit hours) with a minimum quality point ratio of 2.00 may apply for matriculation for the Bachelor's degree.

Admission will be limited to applicants who have given evidence of capacity and motivation adequate for upper division work as determined by the chairman of the department.

A cumulative quality point ratio of at least 2.00 is required in a Bachelor of Science student's major field.

Professional Accreditation The School of Engineering's Civil, Electrical, Industrial and Mechanical Engineering curricula are accredited by the Engineers' Council for Professional Development (ECPD).

Civil Engineering Bachelor of Science Program: The continued rapid growth of the nation's and the world's economies requires the expenditure of billions of dollars annually for the design and construction of new facilities for commercial, industrial, institutional, and residential buildings, transportation systems of all types, water supply, and sanitary engineering projects. A major area for future development is pollution control of all types; Civil Engineers will play an important role in this field. The student is exposed to these and other areas and, upon the completion of the prescribed four-year curriculum, receives the Bachelor of Science degree in Civil Engineering.

Electrical Engineering Bachelor of Science Program: Electrical Engineering is fundamentally concerned with energy and information. The principles of electrical phenomena are applied to the generation, distribution and control of energy. Information systems including computers, radio and television communications systems, as well as apparatus for data processing, are a result of the application of electrical phenomena to specific tasks. Examples abound of these activities and include the nuclear power plant, the high voltage transmission line, the automated manufacturing plant, the digital computer, and the satellite communications system.

The principle function of the graduate Electrical Engineer is to design apparatus and systems. He often develops new concepts and procedures by applying well established design principles to new situations or by the discovery of basic phenomena having immediate technological application. There are many instances in which a whole new technology has risen from a successful research effort. The electronic hand calculator, for example, is the result of design and fabrication techniques that have been developed only within the recent past. The integrated circuitry in the hand calculator is equivalent to tens of thousands of discrete transistors.

An undergraduate program in Electrical Engineering must prepare the student for a professional career that will extend over a time span in excess of forty years after graduation. Consequently, in a field where new developments occur at a continuous and rapid rate, it is imperative that the new graduate be thoroughly trained in basic principles which do not change and which form the foundation of Electrical Engineering. The program of studies at the University of New Haven includes a balanced concentration on basic engineering analysis and design principles. Modern applications of these techniques are presented in our laboratory and design courses. Since the origins of engineering methods are based in the sciences of Chemistry, Mathematics, and Physics, courses in these areas are an important part of the program.

The digital computer is of great importance in engineering for analysis and design. Electrical Engineering students become competent in the use of computers for numerical applications and optimizing engineering design. The computer is also studied as an element in a system where it is used to monitor and control complex industrial processes.

Electrical Engineering students should possess good analytical abilities including sound mathematical competence. They should also have a natural curiosity about the multitude of technical devices encountered in everyday life, a willingness to learn the principles that make these devices possible, and a desire to create new devices and methods of solving problems.

AREAS OF STUDY

Industrial Engineering Bachelor of Science Program: The study of Industrial Engineering prepares a student for a successful career in the manufacturing, research, and service industries. Based as it is on a broad engineering background, the professional program taken in the last two years offers a perspective which enables the graduate to cope with complex problem situations encountered in modern industry. Special attention is given to preparing the student for the intelligent use of computers in modern industrial practice. Upon satisfactory completion of the prescribed four-year curriculum, graduates will receive the Bachelor of Science degree in Industrial Engineering.

Materials Engineering Bachelor of Science Program: Materials Engineering is the systematic control of material properties such as strength, electrical conductivity, and corrosion resistance, through the understanding of the internal microscopic structure of materials. Practically every product, tool, machine, or building is constructed with careful attention paid to the materials from which it is made. Concrete must withstand years of heat and extreme cold. Plastics change dramatically with temperature. Rubber compounds support every automobile occupant. Metal parts must withstand heat, tension, compression, and fatigue. Each design and fabrication is a critical process. Materials Engineers are therefore respected experts whose decisions on quality, safety, and materials selection are of vital concern to airlines, government laboratories, steel mills, tire manufacturers, and atomic energy installations.

Mechanical Engineering. Bachelor of Science Program: The tremendously broad field of Mechanical Engineering requires a common core of fundamental knowledge which is obtained in the required courses in this major. Upon the completion of these required courses, the student, in consultation with his faculty advisor, selects restricted electives which will give him advanced courses in his area of greatest interest. Upon satisfactory completion of the prescribed four-year curriculum, graduates will receive the Bachelor of Science degree in Mechanical Engineering.

Computer Technology The program in computer technology is designed to produce a graduate who has the ability to take control of a computer complex. Programming in several languages, and the organization and association of computer machinery are treated in depth. A strong base in mathematics, physics and general business techniques and practices enables the graduate to work intelligently in either a business or engineering environment.

AREAS OF STUDY

Associate in Science This program provides students with the first two years of a standard four-year engineering program. Since the University of New Haven's courses are fully accredited, the student will be in a position to transfer with advanced standing to the four-year Bachelor program, to the Evening Credit Division of the University, or to another institution. Upon satisfactory completion of the prescribed two-year curriculum in any Engineering major for the Bachelor of Science degree, graduates may receive the Associate in Science in Engineering Science degree.

A degree of Associate in Science in Engineering is described in the Evening Division Bulletin. This program provides maximum flexibility in course requirements for the student who desires to terminate his studies with the Associate degree.

Aeronautical Technology An Associate in Science degree in Aeronautical Technology is now being offered. The objective of this program is to provide students interested in a career as a general aviation pilot or as a worker in the aerospace field with college level training in aviation and the related technologies. Since there is an increasing demand for specialists with higher degrees in this field, the program is being organized to incorporate the basic prerequisites to facilitate the transferring of its graduates into one of the Bachelor of Science programs in technology. Details of the program will be furnished upon request.

Interdisciplinary Programs The following programs offered in conjunction with the School of Business will be found in other sections of the catalog.

Criminal Justice — Law Enforcement Administration major
Criminal Justice — Correctional Administration major
Business Administration — Operations Management major.

The following programs offered in conjunction with the School of Arts and Sciences will be found in other sections of the catalog.

Occupational Safety and Hygiene
Fire Science Technology

In addition, students in a Liberal Arts or Business major may elect a minor in an Engineering discipline. It is also possible for students majoring in Engineering to elect a minor in other disciplines. For details see the Chairmen of the departments involved.

BACHELOR OF SCIENCE

The Bachelor of Science program in the various Engineering majors contains a common First Two Years with minor variations in the Third and Fourth Years. Students in Engineering should choose their major by the beginning of the Third and Fourth Years. Students who are accepted with deficiencies must remove them before entering the Third and Fourth Years.

CORE FIRST TWO YEARS

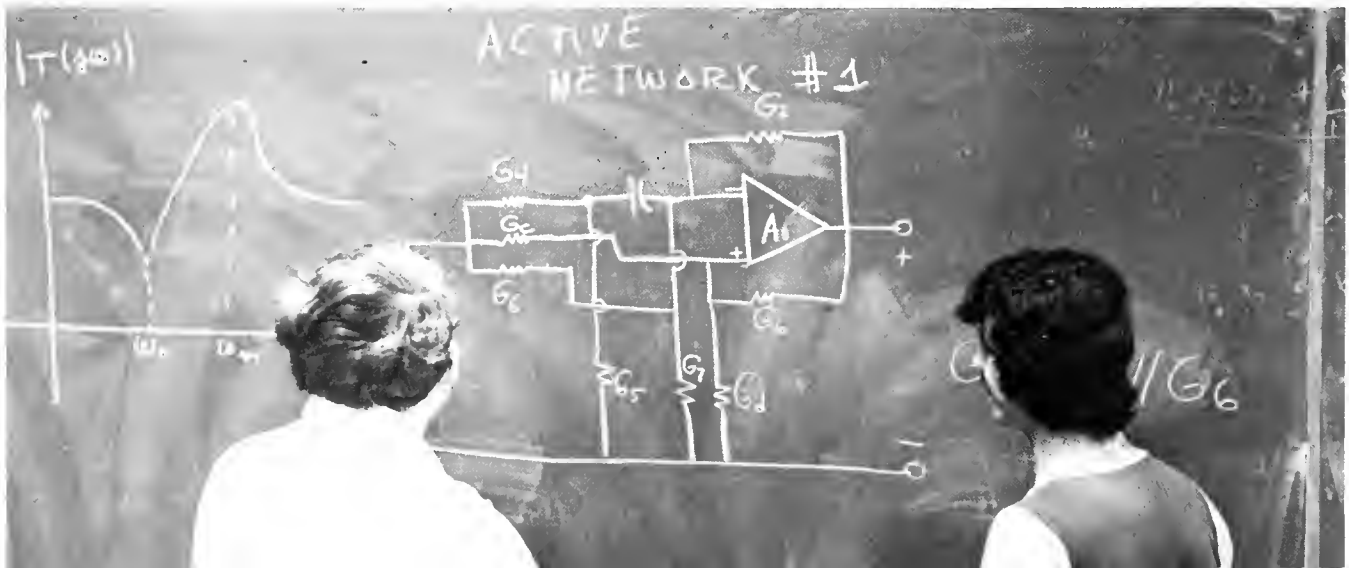
COMMON FIRST TWO YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
E113	English Composition	3	E 201	World Literature I	3
[1]M 115	Mathematical Analysis I	3	M 117	Calculus I	4
HS 121	History of Science	3	IE 102	Introduction to Computers	3
ES 107	Introduction to Engineering	3	PH 150	Mech/Heat/Waves	4
[2]CH 103	Introduction to General Chemistry or	3	CH 110	Environmental Chemistry	3
CH 105	General Chemistry I	(4)		Total	17
	Total	15 (16)			

[1] Students with sufficient preparation will be placed in Course M 117, and will take Course M 118 in the Spring Semester.

[2] Students will be placed in the appropriate course based on their preparation in Chemistry.

[3] In lieu of PE 111 and PE 112 students may elect to take course PE 100 as their free elective in the Junior or Senior Year for 3 Semester Hours credit.



THIRD AND FOURTH YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
M 118	Calculus II	4	M 203	Calculus III	4
E 202	World Literature II	3	CE 202	Mechanics of Materials I	3
PH 205	Electromagnetism & Optics w/Lab.	4	ME 101	Engineering Graphics	3
CE 201	Statics	3	ME 204	Dynamics	3
IE 204	Engineering Economics	3		Elective, Science	3
	Total	17		Total	16

FIFTH AND SIXTH YEARS

M 204	Differential Equations	3	CE 302	Building Construction	3
EC 133	Principles of Economics I	3	[1]CE 303	Steel Design & Construc. or	
CE 203	Surveying I	3	[2]CE 306	Hydraulics	3
CE 301	Transportation Engrg.	3	CE 304	Soil Mechanics	3
[1]CE 312	Structural Analysis I or		EE 336	Electrical Engrg. Systems	3
[2]CE 315	Environmental Engrg. and Sanitation	3		Elective, Math	3
EE 201	Basic Cir./Num. Methods	3		Total	15
	Total	18			

SEVENTH AND EIGHTH YEARS

[1]CE 314	Concrete Design & Construction or		[1]CE 405	Indeterminate Structures or	
[2]CE 402	Water Supply & Power	3	[2]CE 404	Sanitary Engineering	3
CE 407	Contracts & Specifications	3	CE 501	Design Project	3
ME 301	Thermodynamics I	3		Electives, Restricted	6
	Elective, Restricted	3		Elective, General Studies	3
	Elective, General Stud.	3		Total	15
	Elective, Free	3			
	Total	18			

Options and Selection of Electives

A student may, by taking courses identified with (1), plus properly selected Restricted Electives, concentrate in the area of Structures. Similarly, a student may concentrate in the field of Sanitary Engineering by taking courses identified with (2), plus properly selected Restricted Electives. A balanced program may be achieved by taking courses identified with (1) and (2), utilizing 3 Restricted Electives and 1 Free Elective. Students should consult with the Chairman of the Civil Engineering Department prior to the Third Year, in order to plan his program.

TOTAL—Bachelor of Science degree in Civil Engineering: 128 to 132 Semester Hours.

BACHELOR DEGREE PROGRAMS

Electrical Engineering

THIRD AND FOURTH YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
EE 201	Circuits/Num. Mthds.	3	EE 202	Network Analysis I	3
PH 205	Electro/Optics w/Lab.	4	EE 253	EE Lab I	2
CE 205	Statics/Strength of Mtls	4	ME 204	Dynamics	3
M 118	Calculus II	4	M 203	Calculus III	4
E 202	World Literature II	3		Elective, Physics	3
	Total	18		Total	15

FIFTH AND SIXTH YEARS

EE 301	Network Analysis II	3	EE 302	Systems Analysis	3
EE 347	Electronics I	3	EE 363	Energy Conversion	3
EE 355	Digital Systems I	3	EE 348	Electronics II	3
EE 361	Electromagnetic Theory	3	EE 349	EE Lab. II	2
M 204	Differential Equations	3		Elective, Math	3
				Elective, Tech. I	3
	Total	15		Total	17

SEVENTH AND EIGHTH YEARS

EE 420	Stat. Systems Anal.	3	IE 204	Engineering Economics	3
EE 453	EE Lab. III	2		Elective, Tech. III	3
EE 462	Electromagnetic Waves	3		Elective, Tech. IV	3
EC 133	Principles of Economics I	3		Elective, Gen. Studies	3
	Elective, Tech. II	3		Elective, Free	3
	Elective, Gen. Studies	3			
	Total	17		Total	15

Selection of Electives

Technical electives must be selected with the consultation of the advisor and approval of the Department Chairman. Generally, technical electives must be junior or senior level courses in the areas of engineering, mathematics or physics.

TOTAL—Bachelor of Science degree in Electrical Engineering: 126-130 Semester Hours.

THIRD AND FOURTH YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
M 118	Calculus II	4	M 203	Calculus III	4
PH 205	Electromagnetism & Optics w/Lab.	4	CE 202	Mechanics of Materials I	3
CE 201	Statics	3	ME 204	Dynamics	3
E 202	World Literature II	3	ME 101	Engineering Graphics	3
IE 204	Engineering Economics	3		Elective, Physics	3
	Total	17		Total	16

FIFTH AND SIXTH YEARS

M 204	Differential Equations or		EC 133	Princ. of Economics I	3
M 231	Linear Algebra	3	EC 350	Economics of Labor Relations	3
IE 224	Advanced FORTRAN Programming	3	IE 234	Production Control	3
IE 243	Work Analysis	3	IE 502	Operations Research	3
IE 346	Statistical Analysis	3		Elective, Tech. I	3
IE 214	Management Theory	3		*Elective, Math	3
	Total	15		Total	18

SEVENTH AND EIGHTH YEARS

IE 233	Cost Control	3	IE 443	Facilities Planning	3
EE 201	Circuits/Numer. Methods	3	IE 504	Laboratory Thesis	3
	Elective, General Stud.	3	EE 336	Electrical Engineering Systems	3
	Elective, Tech. II	3		Elective, General Stud.	3
	Elective, Free	3		Electives, Tech. III & IV	6
	Total	15		Total	18

*IE 347 Probability Analysis or any 300 or 400 series math course.

Selection of Electives

Technical electives must be selected with the consultation of the advisor and approval of the Department Chairman. Generally, technical electives must be junior or senior level courses in the areas of engineering, mathematics or physics.

TOTAL—Bachelor of Science degree in Industrial Engineering: 128-132 Semester Hours.

BACHELOR DEGREE PROGRAMS

Materials Engineering

THIRD AND FOURTH YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
M 118	Calculus II	4	M 203	Calculus III	4
CH 105	General Chemistry I	4	PH 205	Electro/Optics w/Lab.	4
MT 219	Physical Metallurgy	3	MT 309-310	Materials Laboratory	3
ME 101	Engineering Graphics	3	EC 133	Principles of Economics I	3
E 202	World Literature II	3		Elective, Chemistry	(3) 4
	Total	17		Total	(17) 18

FIFTH AND SIXTH YEARS

M 204	Differential Equations	3	MT 220	Electronic Materials	3
MT 331	Non-Ferrous Metallurgy	3	MT 304	Mechanical Behavior of Materials	3
CE 201	Statics	3			
ME 301	Thermodynamics	3	CE 202	Mechanics of Materials I	3
	Elective, Physics	3	EE 201	Circuits/Numerical Methods	3
			ME 204	Dynamics	3
	Total	15		Elective, General Studies	3
				Total	18

SEVENTH AND EIGHTH YEARS

MT 342	Steels & Their Heat Treatment	3	MT 500	Research Project	3
				Elective, Materials	3
EE 336	Electrical Engineering Systems	3		Elective, Restricted	3
				Elective, Restricted	3
IE 204	Engineering Economics	3		Elective, General Studies	3
	Elective, Materials	3			
	Elective, Free	3		Total	15
	Total	15			

Selection of Electives

Each student will meet with the Chairman of the Materials Engineering Department during the Spring term of his second year to select the restricted electives which will result in a program of maximum benefit to the student.

TOTAL—Bachelor of Science degree in Materials Engineering: 123-130 Semester Hours.

THIRD AND FOURTH YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
M 118	Calculus II	4	M 203	Calculus III	4
PH 205	Electro/Optics w/Lab.	4	ME 101	Engineering Graphics	3
E 202	World Literature II	3	ME 204	Dynamics	3
CE 201	Statics	3	CE 202	Mechanics of Materials I	3
EE 201	Circuits/Num. Methods	3	EE 336	Electrical Engrg. Systems	3
	Total	17		Total	16

FIFTH AND SIXTH YEARS

ME 301	Thermodynamics I	3	ME 302	Thermodynamics II	3
ME 307	Mech. of Materials II	3	ME 315	M. E. Lab. I	2
M 204	Differential Equations	3	ME 321	Fluid Mechanics	3
MT 200	Engineering Materials	3	ME 344	Mechanics of Vibration	3
ME 311	Machine Elements	3		Elective, Math	3
	Elective, Free	3		Elective, Physics	3
	Total	18		Total	17

SEVENTH AND EIGHTH YEARS

ME 312	Mechanical Design or		ME 404	Heat & Mass Transfer	3
ME 322	Intro. to Gas Dynamics	3	ME 406	Turbomachinery	3
EC 133	Princ. of Economics I	3	ME 415	M. E. Lab. II	3
	Elective, Gen. Studies	3	IE 204	Engineering Economics	3
	Electives, Tech. I & II	6		Elective, Gen. Studies	3
				Elective, Tech. III	3
	Total	15			
				Total	18

Selection of Electives

Technical Electives must be selected with the consultation of the advisor and approval of the Department Chairman. Generally, technical electives will be chosen from the following courses: ME 312, ME 322, ME 343, ME 401, ME 403, ME 408 and ME 512.

TOTAL—Bachelor of Science degree in Mechanical Engineering: 129-133 Semester Hours.

BACHELOR DEGREE PROGRAMS

Computer Technology

FIRST AND SECOND YEARS

	Fall	Sem. Hrs.		Spring	Sem. Hrs.
[1]M 115	Math Analysis I	3	M 117	Calculus I	4
E 113	English Composition	3	E 201	World Lit. I	3
HS 121	History of Science	3	PH 150	Mech., Heat, Waves w/Lab.	4
ES 107	Intro. to Engineering	3	IE 104	Comp. Sys. Design	3
IE 105	Intro. to Computers: COBOL	3	IE 205	Adv. COBOL Prog.	3
	Total	15		Total	17

THIRD AND FOURTH YEARS

M 118	Calculus II	4	IE 214	Management Theory	3
IE 102	Intro. to Comp. FORTRAN	3	IE 224	Adv. FORTRAN Prog.	3
PH 205	Electromagnetism & Optics w/Lab.	4	IE 346	Statistical Analysis	3
E 202	World Literature II	3	IE 204	Engineering Economics	3
EC 133	Princ. of Economics I	3	ME 101	Engineering Graphics	3
	Total	17		Total	15

FIFTH AND SIXTH YEARS

IE 234	Production Control	3	IE 334	Assembler Language	3
IE 332	PL/I and RPG	3	IE 336	Hardware Operation	3
IE 231	Terminal & Remote Job Entry Systems	3	IE 502	Operations Research	3
EC 350	Econ. of Labor Relations	3	E 220	Writing for Bus. & Ind.	3
EE 355	Digital Systems I	3	EE 356	Digital Sys. II	3
	Total	15		Total	15

SEVENTH AND EIGHTH YEARS

IE 233	Cost Control	3	IE 335	Simulations & Applications	3
IE 320	Operating Systems	3	IE 420	Comp. Facilities Design	3
IE 325	APL/Basic	3	SO 113	Sociology	3
P 111	Psychology	3		Gen. Studies Elective	6
	Gen. Studies Elective	6		Total	15
	Total	18			

[1]Students with sufficient preparation will be placed in Course M 117, and will take Course M 118 in the Spring Semester.

[2]In lieu of PE 111 and PE 112 students may elect to take course PE 100 for 3 Semester Hours credit.

TOTAL—Bachelor of Science Degree in Computer Technology: 121-124 Semester Hours.

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M.S., University of Bridgeport

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B.A., Yale University; M.M., Hartt College

Carson, George R., Assistant Professor, Civil Engineering
B.C.E., City College, New York; M.S.C.E., Columbia University
Professional Engineer (Connecticut, Massachusetts, New York, New Jersey)
Landscape Architect (Connecticut)

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B.S.E., University of Connecticut; M.S.I.E. University of Massachusetts

Collinson, John, Professor, Humanities
A.B., The Johns Hopkins University; A.M., Harvard University; Ph.D., The Johns Hopkins University

Costello, Francis J., Associate Professor, Industrial Engineering
B.S.M.E., M.S.M.E., Newark College of Engineering

Courtney, Dennis, Assistant Professor, Psychology
B.A., M.A., Wayne State University; Ph.D., University of Ohio
Consulting Psychologist (Licensed, Connecticut)

Desio, Peter J., Associate Professor, Chemistry
B.S., Boston College; Ph.D., University of New Hampshire

Dinegar, Caroline, Professor, Political Science
B.A., Cornell University; M.A., Ph.D., Columbia University (leave of absence)

Dull, James, Assistant Professor, Political Science
B.A., Wilkes College; M.A., University of Pennsylvania

Eikaas, Faith H., Professor, Sociology
B.A., M.A., Ph.D., Syracuse University (on sabbatical)

Ellison, Jerome, Professor, English
B.A., University of Michigan; M.S., Southern Connecticut State College

Farrow, William R., Instructor, Physical Education
B.S., Winston-Salem State University; M.S., Southern Connecticut State College

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